॥वसुधैव कुटुम्बकम्॥

SYMBIOSIS INSTITUTE OF GEOINFORMATICS

CONSTITUENT OF
SYMBIOSIS INTERNATIONAL
(DEEMED UNIVERSITY)

- GLOBAL PERSPECTIVE
- INNOVATIVE LEARNING
- IMPACTFUL CAREERS

M. TECH PLACEMENT BROCHURE

BATCH 2025-27



INNOVATE | INTEGRATE | INSPIRE

www.sig.ac.in



SYMBIOSIS
INSTITUTE OF
GEOINFORMATICS

॥वसुधैव कुटुम्बकम्॥

CONTENTS

01	About SIG	03
02	Vision & Mission	04
03	Message from the Leaders	05
04	From the Director's Desk	06
05	SIG Credentials	07
06	M Tech Schedule	08
07	Campus Recruitment Process	09
08	Our Faculties	10
09	Why Recruit Us?	11
10	Past Recruiters	12
11	Batch Profile	13
12	Our Team	21
13	Contact Us	22





ABOUT US

Symbiosis International (Deemed University) is a multi-disciplinary university offering its students and faculty a vibrant learning ecosystem designed around its multi-cultural and innovative ethos. Symbiosis was established in 1971 by Prof. Dr. S. B. Mujumdar, which was a "home away from home" for international students. The institution is based on the principles of Vedic thought of "World as One Family". The University's name fittingly captures the quintessence of the relationship with international students; a mutually beneficial bond between India and the international student community. Symbiosis is committed to building international understanding by offering quality education and is resplendent with the activities and students from more than 85 countries.

2004
ESTABLISHED

100%
PLACEMENT SUPPORT

20+
YEARS OF EXCELLENCE

40+
RECRUITERS EVERY YEAR

AICTE
APPROVED

85+
COUNTRIES REPRESENTED

VISION & MISSION

Vision

- To advance global comprehension through the provision of superior educational experiences.

Mission

- Facilitate the creation and dissemination of knowledge
- Advocate for education rooted in ethics and values
- Cultivate a spirit of national progress
- Promote cross-cultural awareness
- Develop students' global competencies
- Foster innovation and entrepreneurial spirit, enhance employability, and contribute to human capital development
- Promote holistic well-being among students, faculty, and the community
- Instill environmental and social consciousness in youth

MESSAGE FROM THE LEADERS



Dr. Vidya Yeravdekar
Chancellor
Symbiosis International
(Deemed University)

"SIG has made valuable contributions to national causes by undertaking social projects for environmental protection and pollution control. This has helped the faculty and students in application of their knowledge to live projects. I am confident that SIG will continue to strive to reach higher goals in meeting the aspirations of both the industry as well as the students. I wish the SIG staff and students success in their future endeavors and growth."



Dr. Ramakrishnan Raman
Vice-Chancellor
Symbiosis International
(Deemed University)

"The M.Tech (Geoinformatics) program at Symbiosis Institute of Geoinformatics (SIG) stands as a beacon of excellence in the specialized field of Geospatial Science and Surveying. With the growing importance of accurate geospatial data, artificial intelligence, and surveying technologies, SIG is at the forefront of preparing professionals who will lead innovation and contribute to industry and research advancements. This program is meticulously designed to impart in-depth technical knowledge, hands-on training, and interdisciplinary approaches that are vital to navigating the challenges in geospatial and surveying technologies."

FROM THE DIRECTOR'S DESK



Prof. Dr. Tarun Pratap Singh
(Ph.D, M. Sc)
Director

Symbiosis Institute of Geoinformatics

"The Geoinformatics field is expanding at a rapid pace as more and more industries are employing spatial data to manage their activities. The dream of Digital India, with smart cities and smart industrial cities, cannot be completed without the use of Geoinformatics technology. SIG is one of the constituent institutes of Symbiosis International (Deemed University). SIG was established with the aim of creating a potent reserve of experts in the field of Geoinformatics to meet future challenges across the globe. The Faculty of Engineering's M.Tech. program in Geoinformatics has been designed by eminent scientists, technologists, industrialists, and academicians of national and international repute. Since its inception, SIG has received a tremendous response from different stakeholders. SIG alumni are consistently placed in high-ranking positions in various organizations across India and abroad. Even during the prevailing unprecedented health conditions, I anticipate the same overwhelming response this year from industries and other institutions across the globe."

SIG CREDENTIALS

The Symbiosis Institute of Geoinformatics (SIG) was established in 2004 as an independent educational entity with the aim of developing skilled human capital to address the emerging needs of industry and society in the realm of geospatial technology and societal welfare. The institute's conceptualization was supported by a diverse group of experts from research, academia, and industry. In 2006, SIG was incorporated into the Symbiosis International (Deemed University) framework. Over the subsequent 15 years, the institute has achieved numerous milestones, including accreditation from the All India Council for Technical Education (AICTE) and the University Grants Commission (UGC). It has also garnered enthusiastic support from industry partners for student placements, maintaining a 100% placement record for eligible candidates since its inception, and has received various accolades at national and international forums. It is significant to note that Dr. S. B. Mujumdar initiated this specialized institute in 2004, aligning with the Indian government's Digital India Smart Cities and Jal Shakti initiatives. This foresight demonstrates a long-term vision shared by the Founder, Director, and President of Symbiosis to harness future technologies for societal benefit. The institute's curriculum was developed through a methodical approach, emphasizing practical experience, student assignments, and ongoing projects to facilitate continuous assessment of student progress. Additionally, industry engagement was prioritized to expose students to the corporate environment. Beyond technical proficiency, the institute offers value-added programs focused on human relations to cultivate the appropriate mindset and behavioral attributes sought by industry. These comprehensive efforts have been highly regarded by the industrial sector.

Address:
5th Floor, Atur Centre,
Gokhale Cross Road, Model Colony,
Pune, Maharashtra – 411016

Phone:
020 - 25672841 / 43
+91 770998185

M TECH SCHEDULE

Semester I
July 2025 - December 2025

Semester II
January 2026 - May 2026

Semester III
August 2026 - December 2026

Semester IV
January 2027 - May 2027

M. TECH COURSE CURRICULUM

Semester I

- Applied Statistics
- Cyber Security
- Web Design Technologies
- Fundamentals of Remote Sensing
- Spatial Database Management System
- Fundamentals of GIS
- Global Navigation Satellite System
- Python for Geospatial Technology
- Research Methodology in GIS
- Applied Statistics Lab
- Fundamentals of GIS Lab
- Fundamentals of Remote Sensing Lab
- Global Navigation Satellite System Lab
- Python for Geospatial Technology Lab

Semester II

- Machine Learning in Remote Sensing
- Digital Twins for Geospatial Technology
- Spatial Big Data and Storage Analytics
- Digital Image Processing in RS
- Spatial Modeling & Analysis
- Advance Python for Spatial Analytics
- Digital Photogrammetry
- Research Paper Writing
- Web GIS and Application Design
- Geospatial Application in Agriculture
- Advance Python for Spatial Analytics Lab
- Digital Image Processing in RS Lab
- Web GIS and Application Design Lab
- Digital Photogrammetry Lab
- Spatial Modeling and Analysis Lab

Semester III

Dissertation Phase 1
(Project, Internship)

Semester IV

Dissertation Phase 2
(Project, Internship)

CAMPUS RECRUITMENT PROCESS

From Company proposal to Offer Letter

1

INVITATION TO COMPANIES

- Outreach to potential recruiters
- Hiring requirements collection

STUDENT REGISTRATION

- Eligibility verification
- Resume submission

2

3

PRE-PLACEMENT TALK

- Company presentation
- Job role briefing

SELECTION PROCESS

- Technical / Aptitude assessment
- Group Discussion / Interview

4

5

FINAL SELECTION & OFFER

- Merit-based Selection
- Internship/Joining Formalities

OUR FACULTIES

OUR FACULTY TEAM



Prof. Dr. Tarun Pratap Singh
Director
Ph.D., M.Phil., M.S., M.Sc.
director@sig.ac.in



Dr. Vidya Patkar
Deputy Director
Ph.D., MCA, MCM
deputydirector@sig.ac.in



Dr. Dharamveer Singh
Assistant Professor
Ph.D., M.Sc., CSIR JRF (NET)
dharmaveer@sig.ac.in



Dr. Navendu Chaudhary
Professor
Ph.D., M.S., M.Sc.
navendu@sig.ac.in



Dr. Veena Parihar
Assistant Professor
B.Tech., M.Tech., Ph.D.(Computer Science Engineering)
veena.parihar@sig.ac.in



Dr. Sandipan Das
Assistant Professor
Ph.D., UGC-NET, M.Sc.
sandipan@sig.ac.in



Dr. Rajesh Dhumal
Assistant Professor
Ph.D., M.Phil., M.Sc.
rajesh@sig.ac.in



Dr. Gauri Deshpande
Assistant Professor
Ph.D. (Urban Hydrology)
gauri.deshpande@sig.ac.in



Dr. Sahil Shah
Assistant Professor
M.E. (Comp. Engg.)
sahil@sig.ac.in



Mrs. Neeta Nandgude
Assistant Professor
M.Sc.(CS), UGC-NET(Computer Science and Application), SET(Computer Science and Application)
neeta@sig.ac.in



Mr. Atul Jadhav
Teaching Staff
M.Sc.(Artificial Intelligence & Machine Learning
atul@sig.ac.in

WHY RECRUIT US?

Renowned & Established Institution

A legacy of quality education with national and international recognition

Experienced & Research-Oriented Faculty

Learn from qualified faculty with rich academic, industry and research experience.

Multidisciplinary Curriculum

Comprehensive blend of Geoinformatics, Remote Sensing, GIS, Programming, Analytics and more.

Hands-on Learning & Live Projects

Strong emphasis on practical learning through live projects, case studies and industry assignments.

Field Exposure & Practical Training

Regular fieldwork, surveys and data collection for real-world understanding and readiness.

Industry Collaborations

Close collaborations with industry leaders, research organizations and government bodies.

Placement Support

100% placement assistance with training, mentoring and a strong recruiter network.

Global Outlook with Local Expertise

Incorporates global best practices while addressing local and regional geospatial challenges.

Focus on Emerging Technologies

Exposure to latest advancements such as AI, Machine Learning, IoT, Drone Tech and Cloud Platforms.

Innovation & Research Culture

Promotes critical thinking, innovation and research mindset through continuous engagement.

National & International Recognition

Students and faculty are recipients of various awards, publications and research grants.

High Industry Demand

Our graduates are equipped with in-demand skills essential for today's dynamic geospatial industry.

TOOLS & TECHNOLOGIES WE TRAIN ON

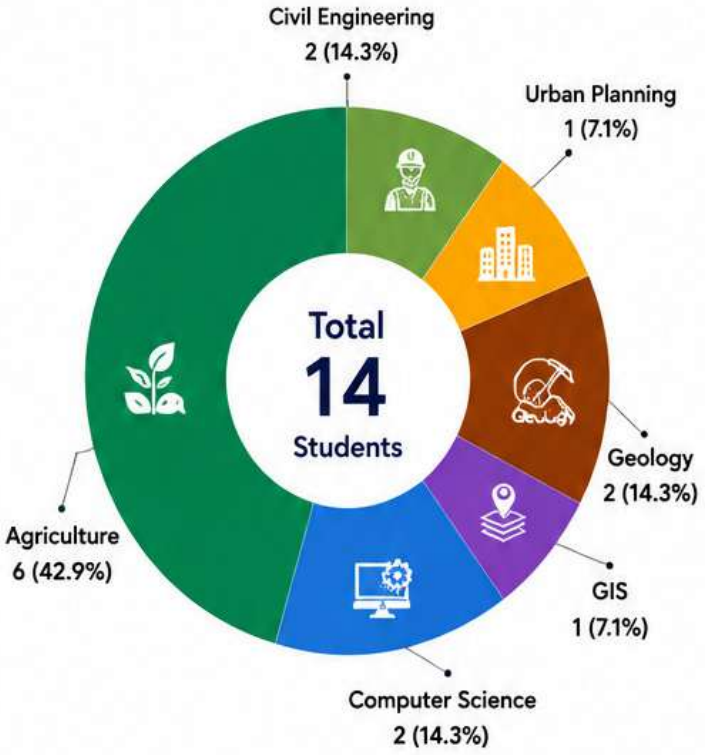
ArcGIS Pro · QGIS · ERDAS IMAGINE · mongoDB · PostGIS · Google Earth Engine · PostgreSQL · HTML CSS JS · RStudio · Machine Learning · python · GeoServer

PAST RECRUITERS

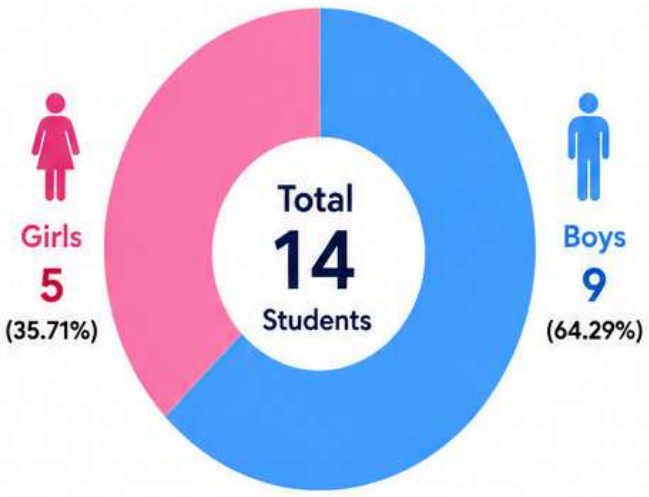


BATCH PROFILE

ACADEMIC BACKGROUND



GENDER DIVERSITY



35.71%	64.29%	14
Girls (5)	Boys (9)	Total Strength



S S BALAMANIMEGALAI

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics

B.Tech in Geological Technology and Geoinformatics
Department of Remote Sensing, Bharathidasan University

ABOUT ME

I have finished my B.Tech degree and am currently doing my M.Tech in Geoinformatics from Symbiosis Institute of Geoinformatics (SIG). The areas that I have studied include GIS, Remote Sensing, spatial data analysis, and geospatial technologies. Some of the projects I have handled in the above-mentioned domains involve urban analysis, environmental impact assessments, and agricultural water management using software like ArcGIS Pro and QGIS. My future career aspirations include using geospatial technology for applications in urban planning, environment, and water management.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS, ENVI
Programming: MySQL, Python, R, HTML, PostgreSQL

AREAS OF INTEREST

Urban Planning | LULC Changes | Coastal & Shoreline Changes | Remote Sensing

KEY PROJECTS

1. Environment the impact to assessment of Chennai region districts using Remote sensing Chengalpattu
2. Integration and of Logistic Regression, Markov Chain Cellular automata Urban Growth m Model to simulate Nashik Taluka, Maharashtra
3. Development of Decision Support system for Agricultural water governance District in Tanjore MySQL, Python, R, HTML, PostgreSQL

CERTIFICATES

1. Overview of seaDAS Software - Visualisation of Optical Data for Water quality Monitoring. Remote Sensing ARSET, NASA.
2. RS and GIS Application in Natural Resources Management. IIRS , ISRO
3. Doppler Radar Orientation Programme - Learning Explore the technology.DWR, IMD Chennai



MANTHAN SANTOSH BHOIR

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics

B.Tech in Agricultural Engineering
K.K.Wagh College of Agricultural Engineering & Technology, Nashik

ABOUT ME

I am currently pursuing M.Tech in Geoinformatics at Symbiosis Institute of Geoinformatics (SIG), Pune. Through my academic coursework and projects, I have gained strong knowledge of GIS, Remote Sensing, Web GIS, GeoServer, PostgreSQL/PostGIS, and Python programming. I am passionate about building scalable geospatial solutions and aspire to contribute as a GIS Developer or GIS Engineer by developing innovative geospatial applications that support real-world decision-making.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS Imagine, Google Earth Pro, ArcGIS Online
Programming: Python, R, SQL, JavaScript (Basic), HTML, CSS, C++
Other Tools: GeoServer, Machine Learning
Database: PostgreSQL, PostGIS, MongoDB

AREAS OF INTEREST

GIS & Spatial Analytics | Remote Sensing | Web GIS Development | Climate Change & Drought Monitoring | Urban Planning & Smart Cities | Natural Resources Management | Geospatial Artificial Intelligence (GeoAI) | Environmental Monitoring

KEY PROJECTS

1. Development of a Portal for Flash Drought Monitoring & Management in the Purna River Watershed, Maharashtra
2. Hydrogeochemical Assessment & Groundwater Depth Analysis for Water Quality Evaluation using GIS & Water Quality Index: A Case Study of Odha Village, Nashik
3. Mapping and Accessibility Assessment of Urban Public Amenities using GIS in Thane Municipal Corporation Area



BIDUSHEE KANUNGO

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics
M. Sc. Geology
Central University of Kerala, Kasaragod
B. Sc. Geology
Utkal University, Bhubaneswar

ABOUT ME

With a master's and bachelor's in Geology and prior experience as a Geology Faculty teaching undergraduate students, I am an M.Tech Geoinformatics candidate passionate about applying geology and geoinformatics to Carbon Capture, Utilization and Storage (CCUS), climate action, and environmental sustainability. My interests include carbon management, groundwater hydrology, water-carbon coupled systems, environmental monitoring, energy transition, and natural resource management. I aim to leverage geospatial and geological data to support Net Zero initiatives and sustainable solutions for environmental and energy challenges.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS Imagine, Google Earth Pro, ArcGIS Online
Programming: MySQL, Python, R, HTML, PostgreSQL, JS
Other Tools: GeoServer, Machine Learning,MongoDB

AREAS OF INTEREST

Geology | Carbon Capture, Storage and Utilization (CCUS) | Climate Action | Environment and Energy | Groundwater Hydrology | Natural Resource Management

KEY PROJECTS

1. Development of a Web Geoportal for Assessing Carbon-Water Coupling in the Rushikulya Catchment, Odisha
2. Groundwater Potential Zone Identification using AHP and GIS in the Upper Bhima Basin
3. Comparative Performance Assessment of Spatial Query Processing using PostGIS and MongoDB for Urban Heat Island Analysis during Summer Season for Four Selected Districts of Telangana (2000-2025)



MANDAR DHEKLE

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics
B.Tech in Planning
College of Engineering Pune, Maharashtra (SPPU)

ABOUT ME

I completed my B.Tech in Planning and am currently pursuing an M.Tech in Geoinformatics at Symbiosis Institute of Geoinformatics, Pune. My academic journey has provided expertise in GIS, Remote Sensing, Spatial Analysis, Python, SQL, and WebGIS technologies. I am passionate about applying geospatial technologies and data-driven approaches to urban planning, land-use analysis, and decision-making. My goal is to contribute as a GIS Analyst by developing innovative spatial solutions for planning and environmental challenges.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, Google Earth Engine (GEE), ArcGIS Online
Programming: Python, SQL
Spatial Database: PostgreSQL, PostGIS, MongoDB
Other Tools: AutoCAD, Adobe Photoshop, Adobe Illustrator

AREAS OF INTEREST

Geospatial Analysis | Urban Planning | Remote Sensing | WebGIS | Spatial Databases | Land Use & Land Cover Analysis | Environmental Planning | Machine Learning

KEY PROJECTS

1. Developed an interactive WebGIS Dashboard for Urban Agriculture in PMRDA using Google Earth Engine, Python, Leaflet.js, CA-Markov, and Random Forest models for LULC change detection and urban growth prediction.
2. Implemented Deep Learning-based Unauthorized Construction Detection using ArcGIS Pro, Python, and Mask R-CNN to identify new building footprints from satellite imagery through temporal change detection.
3. Prepared Regional Development Plan for Ratnagiri District using ArcGIS Pro, QGIS, and AutoCAD by creating LULC, ELU/PLU maps and performing spatial analyses for regional planning.



NACHIKET AVINASH DIVEKAR

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics

B.Tech in Agricultural Engineering
Dr Budhajirao Mulik College of Agricultural Engineering and Technology

ABOUT ME

I hold a B.Tech in Agriculture and am currently pursuing an M.Tech in Geoinformatics at SIG Pune. My academic training has provided me with skills in GIS, Remote Sensing, Spatial Analysis, Python, SQL, and geospatial data management using tools such as QGIS and ArcGIS. I am passionate about applying geospatial technologies to solve real-world challenges through data-driven insights. My career goal is to build expertise in geoinformatics and contribute to innovative projects in the geospatial and technology sectors.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS
Programming: Python, R, SQL, HTML, MongoDB
Other Tools: GeoServer

AREAS OF INTEREST

Geospatial Analysis | Urban Planning | Remote Sensing | Agriculture | Environmental Science

KEY PROJECTS

1. Web Enabled Platform for the Assessment of Sugarcane Yield in Western Maharashtra - Collected yield-affecting factors data (temperature, rainfall, NDVI, etc.), trained ML models to predict sugarcane yield and visualized results through a web platform built using HTML, JavaScript and Leaflet
2. Landslide Susceptibility Mapping of Koyna River Basin using Machine Learning - Predicted landslide susceptibility using Random Forest and XGBoost algorithms
3. Comparative Analysis of Spatial Queries using MongoDB and PostGIS for Real Estate Data - Compared the two database platforms using real estate data of Bengaluru to evaluate performance on similar geospatial tasks



GURURAJ SANJAY GAVALI

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics

B.E. in Computer Engineering
Sinhgad Institute of Technology, Lonavala

ABOUT ME

I hold a bachelor's degree in computer engineering and am currently pursuing an M.Tech in Geoinformatics & Spatial Technology at Symbiosis Institute of Geoinformatics (SIG), Pune. Through my academic training and project work, I have developed expertise in GIS, Remote Sensing, Spatial Analysis, Web GIS, Spatial Databases, Python, and Machine Learning. I have applied these skills to diverse domains including agriculture, disaster management, cultural heritage mapping, and spatial big data analytics, gaining hands-on experience in developing data-driven geospatial solutions. I am passionate about leveraging geospatial technologies to solve real-world challenges and aspire to contribute to innovative projects in the geospatial and technology sectors while building expertise in geoinformatics.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, Google Earth Engine (GEE), ERDAS Imagine
Programming: Python, SQL, HTML, JS, PostgreSQL/PostGIS, MongoDB
Other Tools: GeoServer, Machine Learning

AREAS OF INTEREST

Geospatial Analysis | Remote Sensing | Web GIS | Agriculture GIS | Environmental Monitoring | Machine Learning | Urban Planning

KEY PROJECTS

1. Development of a WebGIS-Based Decision Support System for Sugarcane Production in Lakhimpur District - Integrated Sentinel-2 imagery, CHIRPS rainfall data, vegetation indices, and ML models to assess crop conditions and predict yield through a dashboard built with GEE, Python, Flask, GeoServer, HTML, JavaScript and Leaflet
2. Comparative Analysis of Spatial Queries on Earthquake Big Data Using PostgreSQL (PostGIS) and MongoDB - Performed spatial and temporal analysis on a global earthquake dataset, implementing and comparing 15 spatial queries based on execution time, spatial indexing, and visualization using QGIS
3. Landslide Susceptibility Mapping Using Machine Learning - Developed susceptibility maps using terrain, geological, and environmental factors with Random Forest and XGBoost in ArcGIS Pro and Python



REEMA RAVINDRA KHADE

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics

B.E. in Civil Engineering

ABOUT ME

I am a Civil Engineering graduate with two years of industry experience in structural modelling and design for oil and gas projects and other experience in drafting and quality checking. Currently pursuing an M.Tech in Geoinformatics at SIG, I am developing expertise in climate science, geospatial analysis, and climate risk assessment. Through academic projects and technical training, I have gained experience in climate data analysis, machine learning, and spatial modelling. My goal is to apply these skills in climate risk assessment, catastrophe modelling, and decision support to contribute towards resilient and sustainable infrastructure systems.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE
Programming: MySQL, Python, R, HTML, PostgreSQL
Database: PostgreSQL, PostGIS, MongoDB
Other Tools: Machine Learning, Climate Data Analysis

AREAS OF INTEREST

Climate Change and Climate Extremes | Climate Risk Analysis and Assessment | Catastrophe Modelling | Disaster Risk Management | Machine Learning for Climate Forecasting and Prediction | Digital Twin Applications | Climate Adaptation and Resilience | Policy and Decision Support

KEY PROJECTS

1. Temperature Prediction for Pune Using Advanced Machine Learning Techniques - Developed ML models to forecast temperature patterns using historical climate data, predictive analytics, and lag features
2. Groundwater Potential Zone Mapping in the Pune Region of the Bhima River Basin Using GIS and AHP - Identified and mapped potential groundwater zones using geospatial analysis and the Analytical Hierarchy Process
3. Assessing the Impact of Temperature and Precipitation Extremes on Soil Moisture Across India - Analyzed the influence of climate extremes on soil moisture variability using climate datasets and spatial analysis techniques

---



Shrikant Subhashrao Kompalwar

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics

B.Tech in Agricultural Engineering
College of Agricultural Engineering, Parbhani

ABOUT ME

I am currently pursuing an M.Tech in Geoinformatics at the Symbiosis Institute of Geoinformatics (SIG), Pune. My academic coursework has provided me with knowledge in Geographic Information Systems (GIS), Remote Sensing, Web GIS, Spatial Databases, Machine Learning, Drone Applications, and Geospatial Analytics. Through projects involving crop water requirement assessment, EV charging station site suitability analysis, water quality mapping, and forest cover change analysis, I have developed practical skills in spatial data processing, geospatial modeling, and decision-support systems. I am particularly interested in applying geospatial technologies to address challenges related to agriculture, natural resource management, environmental monitoring, and sustainable development.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS Imagine
Programming: Python, R, SQL, HTML, CSS
Database: PostgreSQL, PostGIS
Other Tools: Machine Learning, Web GIS Development, Drone Surveying

AREAS OF INTEREST

GIS & Spatial Analytics | Remote Sensing | Web GIS Development | Climate Change & Drought Monitoring | Drone Surveying & UAV Mapping | Urban Planning & Smart Cities | Natural Resources Management

KEY PROJECTS

1. Web GIS Dashboard for Crop Water Requirement Assessment of Soybean in Parbhani District - Developed a Web GIS dashboard for crop water requirement estimation using geospatial and climatic data
2. Site Suitability Analysis of EV Charging Stations Using XGBoost - Identified optimal EV charging station locations using GIS and machine learning techniques
3. Water Source and Quality Mapping of Khed and Shirur Talukas, Pune District - Mapped water sources and assessed water quality using GIS-based spatial analysis



ADITYA PRAMOD MHATRE

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics

B.Tech in Civil Engineering
VJTI Mumbai

ABOUT ME

I am currently pursuing an M.Tech in Geoinformatics after completing my B.Tech in Civil Engineering from VJTI Mumbai. My academic and professional experiences have enabled me to build a multidisciplinary skill set spanning geospatial technologies, remote sensing, machine learning, spatial databases, and infrastructure planning. I am particularly interested in the application of Earth Observation and Artificial Intelligence to solve real-world challenges in urban development, environmental monitoring, agriculture, and disaster management. Through projects involving remote sensing foundation models, satellite image analysis, urban growth simulation, change detection, and geospatial web applications, I have developed a strong foundation in transforming spatial data into actionable insights. My research interests lie at the intersection of Geospatial AI, Remote Sensing, and Data Science, and are reflected in my publication at the ML4RS Workshop at ICLR 2026.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS, ENVI
Programming: Python, R, C++, SQL, HTML, CSS, JavaScript
Database: PostgreSQL + PostGIS, MongoDB
Other Tools: AutoCAD, Power BI, SWMM, GeoServer HEC-RAS, Git

AREAS OF INTEREST

Earth Observation | Machine Learning for Remote Sensing | Geospatial Data Science | Disaster Management | Urban Planning | Infrastructure Management

KEY PROJECTS

1. Exploring CA-based Urban Growth Simulation using Remote Sensing Foundation Model Embeddings - Urban Growth Simulation with CA-ANN vs CA-Markov vs CA with RSFM (Prithvi-EO-2) for Indore and Nagpur regions
2. Urban Change Detection from SAR Data using Remote Sensing Foundation Models - Urban Change Detection over Navi Mumbai region using Satellite Imagery and RSFM (TerraFM) with Siamese Feature Comparators
3. Building Damage Detection by Post Disaster Satellite Imagery - TensorFlow-based modified U-Net CNN utilized to detect damage to buildings in post-disaster scenarios using satellite imagery

---



BHUSHAN SUNIL PATIL

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics

B.Tech in Agriculture Engineering
K.K.Wagh College of Agriculture Engineering & Technology, Nashik

ABOUT ME

Driven by a passion for geospatial innovation and data-driven problem solving, I am currently pursuing a Master's degree in Geoinformatics at Symbiosis Institute of Geoinformatics after completing my Bachelor's degree in Agricultural Engineering and Technology. My academic journey has provided me with a strong foundation in GIS, Remote Sensing, GPS, spatial data analysis, and geospatial technologies, combined with knowledge of agriculture and natural resource management. I am passionate about applying geoinformatics to precision agriculture, water resource management, environmental monitoring, and sustainable development. Aspiring to become a GIS Developer, I seek opportunities to contribute to innovative geospatial solutions while continuously enhancing my technical and analytical skills in a collaborative and forward-thinking environment.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS, ENVI
Programming: MySQL, Python, R, HTML, PostgreSQL
Other Tools: GeoServer, Machine Learning, MongoDB

AREAS OF INTEREST

Geospatial Analysis | GIS Development Tools | GIS Analyst | GIS Engineer | Sustainable Agriculture | Remote Sensing | Urban Planning

KEY PROJECTS

1. Web Enabled GIS Platform For Identifying Climate Risk of Kharif Crops in Middle Tapi Basin
2. Cotton Crop Classification Using Multi-Temporal Sentinel-1 SAR and Sentinel-2 Data with Machine Learning Techniques on Jalgaon Tehsil, Maharashtra
3. GIS-Based Fuzzy AHP Approach For Solar Farm Site Suitability in Ahilyanagar District, Maharashtra



TEJAS RAWOOL

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics

B.Tech in Agricultural Engineering
Agricultural Engineering, CAET, Dapoli

ABOUT ME

Dedicated M.Tech Geoinformatics student with a strong foundation in Agricultural Engineering and a deep passion for spatial problem-solving. I am proficient in GIS, remote sensing, satellite data processing, and spatial analysis, with hands-on experience in Web GIS development and machine learning applications. Through internships and research projects, I have honed my ability to address real-world challenges using geospatial technologies. I am committed to contributing innovative, data-driven solutions for agriculture, environmental management, and sustainable development.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS
Programming: Python, R, HTML,
Other Tools: Machine Learning, Web GIS

AREAS OF INTEREST

Geospatial Analysis | Remote Sensing | Agriculture | Environmental Monitoring | Web GIS | Machine Learning | Disaster management

KEY PROJECTS

1. Development of Web Enabled Platform for Identification of Suitability Zones for Rainwater Harvesting Under Climate Change Scenario - Estimated runoff and identified suitable zones using the fuzzy method with ArcGIS Pro, GeoServer and Python
2. Comparing MongoDB and PostgreSQL for Storing and Querying Spatial Data using OSM Data - Compared performance of both platforms based on execution timing using MongoDB, PostgreSQL, QGIS and Python
3. Solar Site Suitability Mapping using ML & GIS for Ahilyanagar District - Used Random Forest, Support Vector Machine and XGBoost algorithms to identify suitable areas for solar power farms

---



VINAY PRATYUSH

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics

B.Tech in Computer Science
Dr. APJ Abdul Kalam Technical University

ABOUT ME

I am Vinay Pratyush, M.Tech Geoinformatics student with a background in computer science. I would like to apply the skills I learned in my masters and bachelors to help sustainable growth. Through my academic projects I have learned to apply my technical skills to solving real-world GIS problems and learned to work with people in a different domain than my own. I would like to apply my skills to help the long-term and sustainable growth of cities.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS, ENVI
Programming: MySQL, Python, R, HTML, PostgreSQL
Database: PostgreSQL, PostGIS, MongoDB, SSMS, MySQL
Other Tools: GeoServer, Python libraries for vector/raster/point cloud analysis (Rasterio, GeoPandas, PDAL, GDAL, and more), Python libraries for data processing and ML (PyTorch, Pandas, NumPy, SciPy, Scikit-learn), Excel, Power BI

AREAS OF INTEREST

GIS Development | GeoAI | Disaster Management | Sustainable Cities | Climate Resilient Agriculture

KEY PROJECTS

1. Water Segmentation for Flood Detection on Consumer Hardware - Classifying water and non-water regions on the Sen1Floods11 dataset using U-Net with multiscale convolutional attention
2. Web Based Digital Shadow for Crop Stress Monitoring - A web dashboard that identifies different kinds of stress (water stress, nitrogen deficit, etc.) on wheat crop



ANSHARA ZULFEKAR SHAIKH

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics
M. Sc. Geology
St Xaviers College, Mumbai
B. Sc. Geology
KTHM College, Nashik

ABOUT ME

As an M.Sc. Geology graduate and currently pursuing M.Tech in Geoinformatics, I combine Earth science knowledge with modern geospatial technologies. My academic journey has strengthened my skills in GIS, remote sensing, and spatial data analysis, helping me understand and solve environmental and geological challenges. I am passionate about using geospatial solutions for sustainable resource management, hazard assessment, and environmental planning.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS
Programming: MySQL, Python, R, HTML, PostgreSQL
Other Tools: Remote Sensing, GIS, Machine Learning, MongoDB, GeoServer

AREAS OF INTEREST

Geospatial Analysis | Remote Sensing | Natural Resource Exploration | Hazard and Risk Assessment | Spatial Modeling | Climate and Environmental Studies

KEY PROJECTS

1. Ostracoda Assemblage from the Intertrappean Beds of Gujri, Madhya Pradesh
2. EV Charging Station Suitability Assessment Using Geospatial Technology
3. Earthquake Magnitude Prediction using Machine Learning Models



ARCHITA VAIBHAV WAGH

M. Tech in Geoinformatics
Symbiosis Institute of Geoinformatics
B.Tech in Agricultural Engineering
K.K.Wagh College of Agricultural Engineering & Technology, Nashik

ABOUT ME

M.Tech Geoinformatics student with a background in Agricultural Engineering and a foundation in GIS, Remote Sensing, and Spatial Analysis. My interests lie in GIS Development, Python programming, and Web GIS, with a focus on applying geospatial technologies to real-world challenges. Through academic projects and practical training, I have gained experience in geospatial data analysis and its applications in agriculture, environmental management, and urban planning. I aim to further develop geospatial solutions that support effective decision-making and sustainable resource management.

TECHNICAL SKILLS

GIS & RS Tools: ArcGIS Pro, QGIS, GEE, ERDAS, ENVI
Programming: MySQL, Python, R, HTML, PostgreSQL
Database: PostgreSQL, PostGIS, MongoDB
Other Tools: GeoServer,

AREAS OF INTEREST

GIS Development | Web GIS Development | Geospatial Analytics | Remote Sensing | Urban Planning & Smart Cities | Geospatial Artificial Intelligence (GeoAI) | Climate Change & Drought Monitoring

KEY PROJECTS

1. Web-Based Flood Damage and Recovery Assessment for Kharif Agriculture in the Upper Godavari Basin
2. Integration of Logistic Regression, Markov Chain and Cellular Automata Model to Simulate Urban Growth in Nashik Taluka, Maharashtra
3. Rainfall Prediction and Classification of Zones using Random Forest and XGBoost Machine Learning Model

OUR TEAM

PLACEMENT SUPERVISOR



PRASHANT PAREKAR
Placement Faculty

+91 81808 44831
sigplacement@sig.ac.in

HEAD



ARCHITA WAGH
M Tech Geoinformatics

+91 96049 46633
25070146018@sig.ac.in

CALLING



S S BALAMANIMEGALAI
M Tech Geoinformatics

+91 99417 68764
25070146001@sig.ac.in

MAILING



VINAY PRATYUSH
M Tech Geoinformatics

+91 79033 86311
25070146016@sig.ac.in

DESIGNER



MANDAR DHEKLE
M Tech Geoinformatics

+91 70203 84167
25070146004@sig.ac.in

CONTACT US

We'd love to connect with you.
Feel free to reach out for placement collaboration,
recruitment drives or any queries.

ADDRESS

5th Floor, Atur Centre,
Gokhale Cross Road, Model Colony,
Pune – 411016

PHONE

020 2567 2841/43,
+91 77099 98185

EMAIL

admissions@sig.ac.in, enquiry@sig.ac.in,
info@sig.ac.in

SOCIAL MEDIA

/sig-pune-753867113



SYMBIOSIS
INSTITUTE OF GEOINFORMATICS

वयुधैव कुटुम्बकम्

CONSTITUENT OF SYMBIOSIS INTERNATIONAL
(DEEMED UNIVERSITY), PUNE

M.TECH PLACEMENT BROCHURE
BATCH 2025–27

Thank You!

FOR EXPLORING OUR
M.TECH PROGRAM

We look forward to welcoming passionate and driven individuals to our vibrant geoinformatics community.



CONNECT WITH US

ADDRESS
5th Floor, Atur Centre,
Gokhale Cross Road,
Model Colony,
Pune – 411016

PHONE
020 2567 2841/43,
+91 77099 98185

EMAIL
admissions@sig.ac.in,
enquiry@sig.ac.in,
info@sig.ac.in

SOCIAL MEDIA
/sig-pune-753867113

VISIT US
Scan to visit our website