

Selva Prakash ML

Experienced Geospatial Analyst and cartographer with strong analytical skills, focused on effective communication and representation of spatial data.

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Professional Experience

Measuring Technician, **Eagleview Technologies** Nov 2021 - Dec 2022

- Skilled in photogrammetric techniques for analyzing aerial imagery to assess image quality, accuracy, and data visualization prior to aerial image mosaic by aerial triangulation.
- Proficient in utilizing BIM, and geometric technologies to conduct accurate spatial analysis and visualization of aerial imagery and other data sets, including 3D modeling and visualization.
- Experienced in conducting spatial data analysis using GIS software and satellite imagery, with expertise in IT, geographical analysis, and spatial statistics. Proficient in using Microsoft Excel for data analysis and visualization.
- Knowledgeable in land management principles and their integration with GIS technology for effective decision-making.
- Experienced in managing workload assessments and devising new operational processes that led to a 40% increase in productivity, with strong attention to detail in project documentation and timely delivery.

GIS Analyst, **Deduce Technologies** Nov 2020 - Oct 2022

- Skilled in OSM data creation and quality control projects, with a focus on efficient problem-solving in spatial data analysis techniques and database management, utilizing GIS-related software like JOSM and QGIS.
- Experienced in GIS analysis, spatial database management, topographical map creation, and troubleshooting issues within GIS applications, with expertise in road network building, road safety mapping, topology, spatial statistics, and network design.
- Proficient in using ArcGIS Desktop, Enterprise Geo-databases, ArcGIS Enterprise, and ArcGIS Online, as well as Google Earth Engine for spatial data management, map production, and cartography.
- Skilled in producing high-quality maps and visualizations, with a customer-focused approach to quality and service, and a proactive approach to developing new skills and keeping up to date with technology.
- Extensive experience working with GIS and data management principles, open source products, Geoserver, and analytical skills, with a strong understanding of geospatial intelligence.

Intern Trainee, **Geovin Solution** May – Oct 2020

- As a trainee at Geovin Solutions, contributed to a land-use land-cover project by analyzing environmental changes due to mining and quarrying in Kerala.
- Utilized Pix4D, digital image processing, image correction, and 3D modeling techniques to provide comprehensive analysis and insights.

Intern Trainee, **State Water Resource Management Agency, (PWD)** May 2019

- Worked as a trainee at State Water Research Management Agency, PWD, and utilizing GIS, remote sensing, and 3D modeling techniques for environmental analysis.
- Completed project at SWaRMA, PWD, India on GIS and remote sensing techniques for water research management, land-use planning, web mapping, and web-based GIS app development.

Accomplishments

- Authored an article titled "[A GIS-based Approach in Morphometric Analysis](#)" uploaded on ResearchGate (Most read in the month of April).
- Authored an article titled "[Hydrological Drought Assessment using Remote Sensing and GIS in Thoothukudi City during spring from 2010 to 2020](#)" uploaded on ResearchGate.
- Professional certificate in "[Representing the real world in Geographic Information System](#)".
- Developed interactive maps using ArcGIS StoryMaps to analyze the landscape of Karnataka.

Skills

GIS Software/Web

ArcGIS (10.5), ArcGIS Online, QGIS, JOSM, Pix4D, Global Mapper, EPANET, AutoCAD.

Programming

HTML/CSS and JavaScript, MySQL (Beginner).

Remote Sensing Software

ERDAS IMAGINE, GRASS GIS, SAGA GIS.

Experience Competencies

- Geospatial Analysis
- Spatial Data Management
- Geographic Representation and Drafting
- Aerial Image Processing
- Environmental Assessment
- Topo-Base Compiling
- Integrating BIM and GIS

Education

Anna University (Thoothukudi Campus)

Bachelor of Engineering in Geoinformatics

Research Interest

- Urban Planning
- Hydrological Modelling and Development
- Issues related to Environmental Health and Humanitarian Relief
- Geospatial Intelligence for Disaster Relief
- Maintaining Geospatial Database with SQL.