

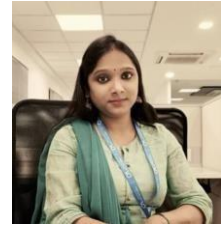
Suparna Dey

Permanent Address: 65/1 G.T. Road, Rishra, Hoogly, Pin-712248

Present Address: Kismathpur, Hyderabad-500030

Phone: 9347981151/+91 9038686172

E-mail: suparnadey07@gmail.com



CAREER OBJECTIVES:

Dedicated GIS Analyst with expertise in spatial data analysis and mapping, seeking to leverage skills in geospatial technology, data visualization, and problem-solving to support environmental planning and urban development. Committed to enhancing decision-making through innovative GIS solutions and contributing to sustainable project outcomes.

PROFESSIONAL SUMMARY:

- Experienced GIS Analyst with over 6 years in geospatial technology, specializing in spatial data analysis, mapping, and remote sensing.
- Proficient in various GIS software including ArcGIS Desktop, QGIS, AutoCAD Map 3D, and ArcGIS Pro, with foundational skills in ArcPy/Python.
- Adept at conducting Utility GIS, land use-land cover mapping, slope analysis, and suitability analysis to support environmental planning and infrastructure projects.
- Proven track record in managing and executing large-scale GIS projects, including substation location mapping, optical fiber network development, and rural road connectivity.
- Skilled in data management, geoprocessing, and the creation of high-quality geospatial data products, with experience in QA/QC processes and integrating multiple data sources.
- Strong communicator and collaborator, with experience in training programs and workshops related to remote sensing and GIS applications.

SOFTWARE SKILL SET:

- Arc GIS Desktop
- QGIS
- Auto CAD Map 3D
- MS Office
- Google Earth
- Ecognition
- ArcPy/Python(Beginner)
- Arc GIS PRO

ACADEMIC QUALIFICATIONS:

QUALIFICATION	SPECIALIZATION	UNIVERSITY/BOARD	PASSING YEAR
M.TECH	Remote sensing	Birla Institute of Technology (Mesra)	2016 -2018
M.SC	Geography	Vidyasagar University	2013-2015
P.G DIPLOMA	Applied Remote Sensing and GIS	Jadavpur University	2014-2015
B.SC	Geography	Calcutta University	2009-2012

WORK EXPERIENCE:

■ OYA RENEWABLES (GIS Specialist)

4th April 2022 to 28 May2024

Project Details:

Sub- T/Distribution Line and Equipment Mapping:

- Identify three phase distribution line or sub-transmission line.
- Create Land Use-Land Cover Maps and slope map.
- Calculate thermal rating and hosting capacity, after that compare with existing projects and finalize POI.
- Based on all these we are perform Land Suitability Analysis. P-Node Mapping.
- Locating substation all over the U.S. according to their electrical service area zones.
- To identify the correct substation location using 'zip code map report and given reference shape files.
- After confirming correct location check with Google Street view for name of substation and incoming /outgoing voltage by looking the pole height and counting the no. of discs on the pole.
- After that identifying the correct location, update attributes.

■ AEROWHIZZ TECHNOLOGIES PVT.LTD (GIS Analyst)

August 2020 to July 2021

Project Details:

- Developed and created GIS maps as requested by implementing
- ArcMap and analysing relevant data.
- Assisted in data management and organization, including vector and raster data.
- Produced georeferenced historical imagery and maps, and digitized new features as requested.
- Performed basic GIS operations including using geo-processing tools, and creating as well as editing geographic data sets.
- Managed broker information with in-house Lease Pro.

T-FIBER:

It aims to connect every household, government institution and private enterprise across the rural part of the Telangana state through optical fiber and provide them with high-speed internet connectivity.

- Development of land base features such as GP's, roads, buildings, poles, etc. on satellite map based on video survey data using Arc gis & Q Gis
- Installation of OSP details on land base based on given RID standards using Auto CAD and prepare ABD layouts of OSP.
- Developing OSP fiber network of a mandal using Arc gis.
- Perform Overall QA/QC in Arc GIS.

■ **NATIONAL INSTITUTE OF RURAL DEVELOPMENT AND PANCHAYATI RAJ (NIRDPR)**
July 2018 –July2020

I worked as a **Junior Project Scientist** at National Institute of Rural Development and Panchayat Raj.

Project Details:

PMGSY:

The Pradhan Mantri Gram Sadak Yojana (PMGSY), was launched by the Govt. of India to provide connectivity to unconnected Habitations as part of a poverty reduction strategy. Govt. of India is endeavouring to set high and uniform technical and management standards and facilitating policy development and planning at State level in order to ensure sustainable management of the rural roads network.

- Collected the list of roads to be taken up for the study from the districts/OMMAS.
- Based on the information given by the State government officials the alignment of road is captured with available GIS layers (DRRP)/GPS.
- Based on available GIS layers/GPS coordinates and year of completion, the Satellite data is procured for pre and postdate of construction of road.
- The image analysis is done based on the Imagery of CARTOSAT data procured from NRSC and other high resolution satellite data.
- The length of the road under BT and CC portion is calculated from the imagery and compared with the OMMAS data of the respective road.
- Verified whether the road actually connects the targeted habitation/habitations as per approved DPR.

Mission Antyodaya:

Adopted in Union Budget 2017-18, Mission Antyodaya is a convergence and accountability framework aiming to bring optimum use and management of resources allocated by 27 Ministries/ Department of the Government of India under various programmes for the development of rural areas.

- Analyze data acquired from satellites, or ground-based platforms, using statistical analysis software, image analysis software, or Geographic Information Systems (GIS).
- Process aerial or satellite imagery to create products such as land cover maps.
- Design or implement strategies for collection, analysis, or display of geographic data and integrate other geospatial data sources into projects.
- Develop or build databases for remote sensing or related geospatial project information.
- Odisha Watershed Project: Watershed mapping for odisha including LULC map updation.

■ **LAST PEAK DATA PVT.LT GIS Specialist)** Jan 2016 – July 2016

Projects Name:

RAPDRP (Electrical Distribution Network Mapping of West Bengal state Electricity Distribution Company Limited and Goa, Rural Electrical Distribution mapping of WBSUEDCL.

■ **TECHMAPPLUS INFO. PVT. LT (Junior GIS Specialist)** Apr 2013-Jan 2016

Project Details:

Municipal GIS:

- This involves of Revenue Database and rationalization of house numbering. Revenue Updating Survey includes door-to-door survey of properties, measurement of properties, data gathering,

uploading image of property, updating data in Property tax database and supporting the assessment confirmation process. Rationalization of House Numbering includes review and assessment of the relevant municipal information, Preparation of draft rationalization plan, Survey of the localities/roads and preparation of localities maps, Correlation of Existing to New House numbering, Draft initial gazette, Fixing of Smart House Number Plates, Incorporation of the new house numbering to GIS.

- Incorporating data in GIS base map and preparation of Final Base map incorporation with the existing and updated House number and property database.

WORKSHOPS/TRAININGS:

TREES Training Programme on “Agriculture Applications using Space Based Observations “course planned at SAC, Bopal campus.

- National Workshop Popularization of Remote sensing-based maps and geospatial information, jointly organized by ISRS and ISRO.
- Basics of Remote Sensing, Geographical Information System & Global Navigation
- Satellite System organized by and ISRO.
- Geospatial Analysis with ArcGIS Pro, Python and ArcPy from AGSRT(Pursuing)

Languages Known: English, Hindi, Bengali,

Date of Birth: 21st Feb. 1992

Nationality: India

DECLARATION: I do hereby declare that the above-mentioned information is true to the best of my knowledge and belief.

Date:

Place: Hyderabad

Signature

(Suparna Dey)