ARUN KUMAR SAHANI
(GIS Specializes)
arun.sahni1993@gmail.com
+91-7607211656
Sector 24,Gurugram,122002

Objective

Driven and detail-oriented GIS Analyst with two year of experience and one year of college projects in spatial data management and analysis. Proficient in using ArcGIS, QGIS, and Global Mapper for creating detailed maps and performing complex spatial analyses. Skilled in managing spatial databases, ensuring data accuracy, and contributing to diverse GIS projects. Seeking to leverage my expertise to contribute to innovative GIS solutions and support decision-making processes in a dynamic organization.

Work Experience/Current Role: -

Organization-
Pearce Services Global Private Limited Gurugram
Position-Engineering Assistant (Permitting Engineer)
Duration- 08 May 2024 to till now
Project: -
FTTH Permitting Engineer (GIGAPOWER) and (Frontier)

- Design and optimization of FTTH Network using AutoCAD to create an permit design and buried drop services.
- Developed detailed permit design for different jurisdiction including directional bore routes, Profile section, DOT permit.
- Integrated GIS data from ArcGIS into design processes, facilitating precise spatial analysis and informed decision-making for network planning.

Sri INFO Tech, Ameerpet, Hyderabad
Position- GIS Engineer
Duration- 1 Nov 2024 till now

Project: - Data collection of roads. Using latest proven technologies for Indian Road Network. It complies to international standard like **ASTM.**

- Prepare the road Network map and project level road data collection
- Routine pavement monitoring surveys
- Plot Continuous GPS data and prepare network with the help of **Python** programming language
- Attach **Geo-tagged** images on road network map

Om Tech Mahendragarh Haryana
Position- CAD Technician and GIS Engineer
Duration- 1 Feb 2019 to 31 August 2021.

Project: -
- Aerial Topographical and prepareSurvey Indian Railway Agra to
- Mathura Aerial Topographical Survey Indian Railway Billi to Chunar
- Pradhan Mantri Gram Sadak Yojana Kaptanganj Basti

- Laddakh – Drass: Performing GIS analysis on existing river profile with the help of GIS Software. Finalized river center line and L&X section of river with the help of Autocad civil 3D Software.
- Gandak – Ganga link project: Performing GIS analysis on existing river profile with the help of GIS Software. Finalized river center line and L&X section of river with the help of Autocad civil 3D Software.
- Land parcel mapping (DMRC): Performing Drone Data Processing and generate following output such as Ortho-mosaic, DEM, DSM and DTM generation, Contour generating from DTM.
- Determine the solar radiation from each roofs and estimate electric power generation from each rooftop with the help of DSM data.

- Property taxations in which I develop an inventory of tax parcels from record information and update the attributes of land parcels such as land use, right-of-way, and other property boundaries.

List of other Projects
- Digitization using Google Earth Pro
- Ortho photo Digitization
- Working on various indices
- Land use Land Cove (LULC) Mapping
- Cadastral Mapping
- Drone Data Processing

Surveying and Mapping of MNNIT campus using DGPS, TOTAL STATION and LiDAR Road and Land parcel survey using DGPS

<u>Project & Thesis: -</u>
Simulation and prediction of urban growth trends using CA Markov: An Indian case study

- Prepare Land Use Land Cover Mapping using Google Earth Engine(GEE)
- NDVI and NDBI Time Series mapping using GEE
- Use **Terrset software** for the application of simulation and prediction using **Cellular Automata and Markov Chain** method.

Technical Skills: -

- DGPS, Total Station, **IQGEO, Autodesk connector, Bluebeam Revu, Near Maps**
- **Arc GIS, Q-GIS, Global Mapper, Google Earth Pro**
- **Auto CAD & Civil 3D, Autodesk Revit, Microsoft** Excel, Proficient in Microsoft Office
- HTML,Python, Google Earth Engine(GEE), SQL, R Programming

Professional Skill: -

- Effective communication skill (Verbal & Written)
- Collaborative Teamwork.
- Flexibility & Versatility.

<u>Education Qualifications: -</u>

- **July 2021 – July 2023**
  M. Tech (GIS Specialist) (8.4CGPA)
  National Institute of Technology (NIT), Allahabad

- **May 2013 – Jul 2018**
  Bachelor of Architecture (Architecture Engineering) (6.8 CGPA)

DR. APJ ABDUL KALAM TECHNICAL University, Lucknow

- **Jul 2010 – Apr 2011** Senior Secondary School (12th) -(62.8%)
  DAV PUBLIC SCHOOL, Varanasi ,U.P

- **Jun 2008- Apr 2009** Higher Secondary School (10th) (67.33 %)
  SS PUBLIC SCHOOL, Varanasi,U.P

Certification: -

1. GATE Qualified (2021)

2. Certification Course in AutoCAD

3. Certification Course in BIM Software (Revit Architecture)

4. Certification Course in 3D Max (Autodesk 3D Max)