**Tejaswi Bhardwaj bhardwaj.tejaswi@gmail.com**

**Contact: 8368915924,9582204934**

**Career Objective**

I am looking forward to apply my technical skills in a wide range of geospatial applications. I have gained experience working in GIS based utility projects such as transportation, electrical transmission and optical network planning and medical services mapping on GIS softwares. Moreover, I hold deep knowledge and interests in handling electrical assets and network database on GIS environment. I believe in doing research and analysis based tasks where I find scope of finding GIS solutions in order to make timely deliveries in the project. I enjoy taking initiatives and have built strong team working skills.

**Education**

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| --- | --- | --- | --- |
| **Degree** | **Board/University** | **Year of passing** | **Marks Obtained** |
| **M.Sc–Geoinformatics (GIS)** | **Bharati Vidyapeeth University, Pune** | **2016** | **8.29 CGPA** |
| **B.Sc(H)-Electronics** | **Delhi University** | **2013** | **65.13%** |
| **SSCE (12th)** | **CBSE** | **2010** | **70.67%** |
| **SSE (10th)** | **CBSE** | **2008** | **82.4%** |

**Professional Experience**

**Total GIS Experience 2 years 8 months**

**GIS Analyst March,2018-Present**

**Company Ascent KeyboardLabs Pvt Ltd.**

Planning of network used in utility based networks such as :

* Electrical network planning
* Stormwater drainage planning
* Fiber optic FTTH planning

**Software used: ArcGIS , MapInfo Professional, Smallworld**

**GIS Database Engineer July,2017-March,2018**

**Company Tata Consultancy Services (TCS), Noida**

Working Experience of 9 months including 3 months of project training and service in TCS, Chennai

**Project Details:**

1. AUSGRID – 3 months project training and service in TCS, Chennai office

The project deals with linking the electrical network with the geographical database in order to give real time dimension to the electrical network. This combines the electrical concepts with geographical information systems.

1. PGE ET FAI – 6 months project training and service in TCS, Noida office

The project is defined as Electric Transmission Field Asset Inventory Project or in shortETFAI. The main objective of this project includes verification of the transmission assets and related characteristics existing in the ET GIS data by means of walk over surveys, update the information as per the ground situation and reflect the updated data back into ET GIS database and SAP.

**Job Responsibilties**

* Data cleansing in ETGIS, Data Analysis, Data Updation using Python and MS Excel.
* Spatial correction of ETGIS data based on survey provided Lat/Long after going through QC / QA procedures.
* Validate the field data updates delivered by passing through different quality check methods.
* Modify the electric network data as per the existing ground situation due to addition, deletion and modification of any of the field asset.

**GIS Database Operator March,2016-July,2017**

**Company MapmyIndia ( CE Infosystems Pvt. Ltd.)**

Working experience of 1.4 years in mapmyIndia as GIS Database Operator on MapInfo Professional version 7.5, 15 Pro and 16 and ArcGis 10.1 and above.

**Internship Project :**

Developed Navigation Map of Agra City to find optimal route for nearest hospitals in Agra. Performed shortest route analysis using a Network Analysis plugin called RouteFinder under the MapInfo Pro version 15.0.

**Job Responsibilities**

* Building database of point of interest (POI) and area of interest (AOI) for navigation purpose.
* Performing SQL queries on the acquired data of POI and AOI for data cleaning and data accuracy.
* Digitization and validating the boundaries of state, district, city and villages.
* Geocoding the POI’s on city and village level.

**Subjects Studied in PG**

**Webgis:** Learnt to connect GIS with the weband developed Javascript based applications.

**Digital Image Processing:** Learnt Image ClassificationTechniques using Supervised and Unsupervised Classification,Radiometric & Atmospheric Corrections of image, Change Detection, Accuracy Assessment, NDVI, SAVI, Multispectral & Hyperspectral Image Analysis.

**Programming in GIS:** Object Oriented Programming In C++, Form Designing using C#, WebDesigning using ASP.NET, Database Handling Using Postgre SQL, Oracle, SQL and SQL Plus.

**Urban Planning:** Studied urban sprawl and growth using an agent based model i.e. sleuth modelto detect the extent of urban sprawl and to forecast the growth. Working on SUMO to monitor traffic congestion on urban roads.

**Spatial Analysis:** Learnt Network Analysis, Spatial Auto-Correlation, Regression Analysis,Path Analysis, Hydrological Analysis, Binary & Index Modelling.

**Advance Remote Sensing:** Hyperspectral Mapping Techniques, Application of LIDAR in urbanplanning, RADAR Applications, Spectral Matching, Hard & Soft Classification Techniques and Applications in Geospatial Technologies.

**Achievements**

* **Professional Training :** Participated in Summer Taining cum Internship Program on Transportation & GIS organized by Civil Simplified, Skyfi Labs, Delhi
* **Masters Thesis Project**: Traffic Simulation Using Simulation of Urban Mobility- SUMO, a German based traffic simulation environment
* **Seminar Attended**: Attended International Knowledge Sharing Symposium on “Sustainable Cities “ at BVIEER, Pune.

**Personal Details**

**Name :** Tejaswi Bhardwaj

**Date Of Birth :** 06-10-1992

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**Pin**: 110039

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