

MANSI MITTAL

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| M:+91-8855076053,8077739213 | Email:mansimittal06@yahoo.in | DOB-13 June,1992 | Sector 62,Noida |
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SUMMARY:

GIS Developer with approx 4 years of Industry experience in design and development of applications using Python, JavaScript, CSS, HTML.

Skilled in implementing efforts towards enhancement and maintenance of information technology based applications.

Ability to learn & develop using new technologies quickly.

Effective communicator with excellent relationship building and interpersonal skills.

TECHNICAL KNOWLEDGE PREVIEW:

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|---------------------------------------|--|
| Programming Languages | Python, JavaScript, HTML, CSS,Dojo |
| Softwares | ArcGIS, ArcGIS Pro |
| Server | ArcGIS Server |
| Python Library | Arcpy(ArcGIS) |
| DB Adapter with Python | psycopg(postgres), MySQLdb(MySQL),pyodbc(SQL Server) |
| Python Development Environment | IDLE, Jupyter Notebook |

TRAININGS:

Maharashtra Remote Sensing Applications Centre, Nagpur

Academic Training Project:-

WORK EXPERIENCE

Maharashtra Remote Sensing Applications Centre, Nagpur

- **Assistant Programmer**

Oct 2016 – Dec 2018

Projects:

1. **Weather :**
Description

Weather portal prepared by MRSAC is able to give maps for daily rainfall, cumulative rainfall and also send mail to government officials .Entire project is made using ArcGIS,

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|--|---|
| | Python, ArcGIS Server, ArcGIS API JavaScript, HTML, CSS, Dojo |
| Responsibilities | <ul style="list-style-type: none"> • Maintenance of project by checking daily generation of rainfall maps. • Proper functionality of website also. |
| 2. Forest: Description | Forest mobile application and portal prepared is able to give to all information about the trees mapped by people of Maharashtra in order to fulfill step taken for preserving trees. |
| Responsibilities | <ul style="list-style-type: none"> • Python script was created to automate task of reading data of mapped trees, and polygon area from MySQL and then add that data to feature class • Created utility to find nearest check post, nearest road from the point of incident |
| 3. Water Supply and Sanitation(WSS) Description | WSS mobile application and dashboard prepared is able to give to all information about the pipe water supply lines, regional water supply lines, pumps, tanks etc. Also gives information about the water lab samples taken by people and showcases water analysis map based on 12 chemical parameters. |
| Responsibilities | <ul style="list-style-type: none"> • Python script was created to generate water analysis maps for district level to tell whether the water is potable or not. |
| 4. 3D Project (R&D) Description | Target is to generate real time scenario of city in 3D. |
| Responsibilities | <ul style="list-style-type: none"> • Understanding functionality of CityEngine, ArcGIS Pro for generating 3D city. |

I have worked mainly on python for automating backend procedures, using GIS data, and also developed geoprocessing services which are integrated with GIS Web Portals using ArcGIS API Javascript ,HTML,CSS,Dojo

Quantum Asia Pvt. Ltd.

- **Gis Developer**

Dec 2018 – Oct 2019

Worked for National Informatics Centre, Delhi on the payroll of third party company Quantum Asia Pvt Ltd.

Projects:-

1. Feature Extraction From Satellite Imagery

Description

Target is to extract water body area from satellite imagery for given year. The area calculated was compared with area of last few years to determine water body shrinkage or increment of area.

Responsibilities

Develop python script for feature extraction

2. BBNL

Description

To map network of broadband wires.

Responsibilities

- Python script was created to automate task of reading data from postgres and then add that data to sde feature class

RAMTECH Software Solutions Pvt Ltd

Nov 2019-till date

Currently working for RAMTECH Software Solutions Pvt Ltd as GIS Developer from November 2019.

Projects:-

1. Dakshin Haryana Bijli Vitran Nigam Ltd.

Description

In this project Haryana electric network with other utilities are mapped and shown on web application. Technologies used were JavaScript, Oracle, Asp.Net, Python

Responsibilities

I worked on two python script that were used for handling gis data files over network. Also worked on web application which uses technologies like Javascript and Asp.Net.

Educational Qualifications:

| Educational Qualification | Year of Passing | Institution | Board/University | Percentage |
|----------------------------------|------------------------|--|-----------------------------|-------------------|
| M.Tech CSE | 2016 | Banasthali University, Rajasthan | Banasthali University | 68.31% |
| B.Tech CSE | 2014 | RIMT–Maharaja Aggrasen Engineering College, Mandi Gobindgarh | Punjab Technical University | 77.8% |
| 12th | 2010 | Rainbow School Saharanpur | CBSE Board | 66.8% |
| 10th | 2008 | Rainbow School Saharanpur | CBSE Board | 73.8% |

Technical Certifications and Courses:

- Certification Course in Java from NIIT, Delhi
- Certification Course in .Net course from CMC LTD.

Achievements:

Group dance performance in B.Tech, M.Tech
Skit performance at MRSAC Nagpur

Personal Interests:

Listening to music, Surfing Internet, Reading fiction novels