

ASMITA GUHA

Remote Sensing Engineer

Personal Information

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📄 Git

Skills

● GIS Analysis	● Arc GIS
● Remote Sensing	● Q GIS
● Earth Engine	● Erdas Imagine
● Erdas Imagine	● Data Analysis
● SQL	● Google Earth
● Geoserver	● Python
● Wordpress	● Latex

Education

2015 B.Sc Geography || C.U
2016 PGD Geoinformatics || J.U
2018 M.Sc Geoinformatics || BVIEER

Thesis

Agricultural Drought Risk Assessment Using Remote Sensing And GIS

● Remote Sensing ● GIS ● LULC ● NDVI
● Rainfall Analysis ● Agricultural Drought
● VCI ● PDSI

Internship

Maharashtra Remote Sensing Application Centre (MRSAC)

Project :

Integrated Watershed Management Programme (IWMP) Monitoring & Evaluation Using Geospatial Technologies.

Responsibilities :

● Map Generation ● LULC
● Change Detection ● NDVI
● Acquisition Of 'NRM' Activities, Bhuvan

Certifications

2021

Python

Introduction; Fundamentals; Variables Operators; Data Structures; List; Tuple; Set; Dictionary; Functions; Packages; PANDAS; NUMPY

Work Experience

2022 - Present

Satyukt Analytics Pvt Ltd || Remote Sensing Engineer
Project 1

Crop Stage Determination : Based on NDVI time series analysis crop stage

Project 2

Catastrophe (CAT) Modeling : Managing flood & earthquake modeling to convert the generated rainfall to run-off, area & volume computation of basins, computing damages

Project 3

AMBHAS(Assimilation of Multi-satellite data at Berambadi watershed for Hydrology & land Surface experiment) :

Project for IISC to create dashboard, Attachment download from mail to get climate data, Create web pages using wordpress to visualize all data for several places by the location, Showing available soil maps date wise

Project 4

Sabic Yield Prediction model development : Analysis & Monitoring Time series graphs for different variables related to Yield prediction like Rainfall, Relative humidity, Wind speed, Temperature, NDVI, Soil Moisture

Project 5

NIRAVARI : Project for IISC for Simulation model aimed at testing the impact of irrigation strategy & cropping systems on ground water table

Project 6

Carbon Sequestration for Agroforestry : Amount of carbon sequestered by trees is computed from biomass

2021-2022

Deduce Technologies || GIS Analyst

Project 1

Environ : Geofence for Gated POIs

Project 2

Phoenix : Rich Content POIs for Top 10 Cities

Project 3

Bliss : R&D projects with focus on developing Innovative GIS solutions that can be implemented to improve people's day to day life ~ Case study Social Network for Farmers

2018-2021

6Simplex Software Solutions Pvt Ltd || GIS Analyst

Coordinated || ArcGIS & Open Source (like geoserver) Geodatabase design & implementation; GIS Services design & creation; GIS Analysis || Testing Web & Server GIS applications || Creating Raster & Vector Analysis Tool Functions Using Python || Using Of Rest APIs || Proposal Creation || Understanding Of Project Domains & Conceptual Modeling Of Related Projects || Monitoring interns || Helping in recruitment efforts || Representing 6Simplex at client locations

Projects

MFD || FDCM || SFD || ASI || NMC || Carbon Footprint Calculation : Preparing Ui using Figma for android