

Arpita Shalini

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EDUCATION

Master of Science (M.S.) - Geographic Information Science

Clark University, Worcester, Massachusetts

Aug 2019 - Jun 2021

Bachelor of Technology (B.Tech.) - Geoinformatics

University of Petroleum and Energy Studies, Dehradun, India

Jul 2013 - Apr 2017

SKILLS

Expert in: ArcGIS Desktop, ArcGIS Online, ArcGIS Survey123, ArcGIS Collector

Intermediate in: Python for ModelBuilder, FME Desktop, Microsoft Office, HTML, Mapbox, QGIS, ArcGIS Business, Network Analyst extension, ArcGIS Online Web Mapping, ArcGIS Dashboard, and Database Management using SQL

Basic in: Tableau, R programming, ArcGIS Server, PowerBI, Google Earth Engine, Linux

PROFESSIONAL EXPERIENCE

GIS Tutor

Clark University

Aug 2020 – June 2021

- Mentoring and helping students with their GIS-related queries.
- Educating non-GIS students with software like ArcGIS Pro, ArcMap, QGIS, ArcGIS Online.
- Advising students with the completion of their GIS application-based thesis.

Geographic Information System Intern

City of Worcester - GIS Department, Worcester

Jun 2020 - Sep 2020

- Standardised the position of 14500 streetlights within the city using the streetlight coordinates and enabled python to integrate their exact position using the streetlight coordinates.
- Strengthened the data which was further used by the City of Worcester to track the functioning of streetlights. Tools used were ArcGIS Pro and Jupyter Notebook
- Performed QAQC for the output.

Geographic Information System Intern

Bhaskaracharya Institute of Space Applications and Geoinformatics (ISRO), India

May 2017 - Jul 2017

- Facilitated maps of existing Oil fields and Refineries which were produced using remotely sensed imageries.
- Created route analysis model for the pipeline route where Optimal route Analysis was performed between the refineries and Oil fields for the set-up of pipelines.
- Mobilized the tools such as Network Analyst in ArcGIS Pro, Digitization, and QGIS.

Geographic Information System Intern

Matrix Geo Solutions Private Limited, New Delhi

May 2016 - Jul 2016

- Tested and analyzed route feasibility for Bullet train which was performed on ArcMap using Network Analyst tools.
 - Created a thematic road map for Bihar where the database was integrated with the coordinates from scratch on ArcMap. Worked with Image Analyst tools for Image interpretation and automated image processing.
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CERTIFICATIONS

FME Desktop: Data translation for AEC: *LinkedIn Learning*

Geo-Spatial Technologies for Urban Planning: *Indian Institute of Remote Sensing*

Fundamentals of Remote Sensing: *Indian Institute of Remote Sensing*

Spatial Data Science – the new frontier in Analytics: *ESRI*

Cartography: *ESRI*

VOLUNTEER

Women in GIS - Social Media Outreach Committee Member

March 2021 – Present

- Responsible for overseeing the organization's Instagram account.
- Promoting the organization's work and creating awareness through Instagram.

GIS Volunteer

Humanitarian OpenStreetMap

Sep 2019 - Jan 2020

Crowd sourced project to map areas in Tanzania where girls are at risk of Female Genital Mutilation (FGM) and digitized settlements in Tanzania to expand the database.