

Aditya Singh

A post graduate in Geo informatics, looking forward to use his skill and expertise in solving real world problems with the help of location intelligence and spatial information.

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EDUCATION

MSc in Geoinformatics

The Energy and Research Institute, Delhi

2018 - 2020

CGPA-7.716

BA(Hons) Geography

Shaheed Bhagat Singh College, Delhi University

2015 - 2018

CGPA-7.27

AISSCE(Class XII)

Shrimanta Shankar Academy, Guwahati

2015

91%(Best of 4)

AISSE(Class X)

Shrimanta Shankar Academy, Guwahati

2013

CGPA-8.6

WORK EXPERIENCE

GIS Intern

World Resources Institute (WRI)

07/2020 - 09/2020

Remote

The World Resources Institute (WRI) is a global research non-profit organization established in 1982 with funding from the MacArthur Foundation under the leadership of James Gustave Speth. WRI's activities are focused on seven areas: food, forests, water, energy, cities, climate and ocean.

Achievements/Tasks

- Assisting in GIS operations for "Safe Access to roads" project under the department of Sustainable cities and roads.
- Coding of Arterial and sub arterial roads
- Downloading traffic data using Google API
- Geo coding and quality check

GIS Trainee

Sociometrik infra pvt limited

01/2020 - 05/2020

Economic consultant company providing solutions to private and government sectors on multiple fields using deep analytics and Geo spatial information.

Achievements/Tasks

- Route Optimization and proposing most profitable location for "Mother Dairy".
- Geo coding of COVID 19 containment zone.
- Quality check of built up extracted from satellite imageries.

Contact: contact@sociometrik.org

Student Intern (GIS)

CEPT University

05/2019 - 07/2019

CEPT University focuses on understanding, designing, planning, constructing and managing human habitats. Its teaching programs aim to build thoughtful professionals and its research programs deepen understanding of human settlements.

SKILLS

GPS, DGPS

GIS/Remote sensing soft wares: ArcGIS, QGIS, Erdas Imagine, ENVI

Programming languages: Python Packages: Arcpy

Database management: SQL, PostGIS

PERSONAL PROJECTS

Finding out changes in dust levels pre and post cyclone Fani and assessing the damage caused by the event. (09/2019 - 12/2019)

- Comparing the levels of dust before and after the cycle with the use of MODIS TERRA products including Aerosol optical Depth (AOD), Angstrom Index and aerosol index.
- Estimating the damage caused on the coast of Puri using Geo eye satellite images.

Identification of crop areas and crop species with the application of multi temporal remote sensing for Usmanpur, East Delhi. (09/2019 - 12/2019)

- Crop species was identified on the basis of phenology observed on the basis of changes in Normalized Difference Vegetation Index (NDVI).
- The total cropping area was identified on the basis of spectral changes and validated through field visit involving use of GPS and visual observation.

Monitoring changes in Gangotri glacier for the period 2009-2018. (09/2019 - 12/2019)

- Estimated the recession in snout of glacier and correlated it with the changes in temperature for the years considered.
- Compared the areas covered by snow on the basis of Normalized Difference Snow Index(NDSI) for the years considered.

Correlating aspects of terrain with the vulnerability of disasters. (05/2019 - 07/2019)

- Terrain analysis was performed for Kamrup district in Assam and correlated it with areas where flooding had occurred.

Application/utilization of Location Intelligence and GIS for efficient and effective supply chain management for a logistics driven business – A case study of Mother Dairy in New Delhi. (01/2020 - 05/2020)

- Proposed the optimum route to be followed for each district with the help of network analyst extension.
- Estimated the most profitable locations for opening up of new stores using the technique of Analytical Hierarchical Process (AHP).

School information dashboard at municipality level for India.

- Creation of dashboard on ArcGIS online showing demographics of school like number of teacher, student distribution.

CERTIFICATES

Basics of Python and ArcPy- Udemy (02/2020)

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency