



Aarti Gupta

GIS Specialist

aarti12111990@gmail.com | +91 7428604353

GIS-Skills

- Arc GIS (9.3-10.5)
- Arc GIS Online
- Arc GIS Pro
- Google Earth
- Quantum GIS
- Post GIS
- Climate Data Operator

Database-Skills

- PostgreSQL
- Excel
- R-Software
- Python

Key Specializations

- GIS Database Management
- Data Creation
- GIS Mapping
- Data Analysis
- Spatial Data Analysis

Education

M.Sc. (Geo-informatics & Remote Sensing)

Amity University, Noida

B.Sc. (Physics Honours)

Delhi University

Experience (2016-Present)

Senior Engineer (GIS)

RMSI Pvt. Ltd. | April 2019 - Present

- Lead GIS data creation , mapping and statistical analysis on climate data
- Dem smoothing , flood & snow extent creation & hazard data analysis
- Manage exposure database

Engineer (GIS)

RMSI Pvt. Ltd. | February 2016 - March 2019

- Carried out GIS Mapping, developed Infrastructure database, analyzed exposure data, and QA & update all data in ArcGIS
- Statistical analysis on climate data in SQL
- Created GIS map for different hazard layers

GIS Executive

RMS Pvt. Ltd | May 2015 - June 2015

- Explored ENVI software and Carried out Research to extract only Built-up area from satellite data.
- Created GIS map for different exposure layers

Key Projects & Accomplishments

Digitizing and building exposure datasets suitable for risk modeling in the Areas of Potential Significant Flood Risk, Romania | World Bank | 2020-Present

- Analysis of all GIS data, prepared attribute database and related metadata.
- Analyzed and update cost related to all exposure data.
- Created GIS maps, graphs & charts for different exposure layers.

India Multi-Hazard Risk Assessment|World Bank |2018-2020

- Performed climate change data analysis and future forecast modeling for India.
- Populate different hazard values on variable grid through PostgreSQL.
- Analysis of exposure data, attribute database and related metadata.
- Correction and smoothing of DEM data.

Hazard Risk Assessment for The Gambia | MECCNAR | 2018-2019

- Was part of the team for storing, manipulation of GIS database.
- Performed climate change data analysis and future forecast modeling for India.

Kyrgyz Republic Web-GIS based "Disaster Risk & Water Resources Information System" (DWIS) | ADB | 2017-2018

- Successful Analysis of Impact of Climate change on different Sector for use.
- Generate Contour map & heat map for different climate core indicators.

Hazard Risk & Vulnerability Assessment India | World Bank | 2015-2017

- Calculation of cyclone track angle & direction through automate process.
 - Created Cyclone track maps.
 - Handled Hazard and Exposure data for Risk Atlas for all coastal and inland districts.
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