

SHARJEEL MOHAMMED

Sr. GIS Developer

RESUME OBJECTIVE

Diligent GIS Analyst with 8+ years of experience in Geospatial Analytics with Python. Effective at processing, troubleshooting, analyzing and presenting data in multiple formats.

EXPERIENCE

CBRE, Hyderabad— Sr. GIS Developer

JULY 2022 - Present

Projects:

UK Site Evaluation Tool

- Created effective maps, charts and published in ArcGIS server, prepared web applications based on project-specific requirements.
- Developed requirements for application of GIS solution data, including Geoprocessing with Python script in Arcpy notebooks.
- Establish, maintain, and continually manage the integration of the Snowflake with the ESRI ArcGIS Platform
- Supervises lower-level GIS Specialists and GIS technicians assigned to project. Provides input for performance evaluations
- Involve extensively in all phases of planning including Demographic Analysis, Existing Condition Reports, Alternatives Analysis, Preferred Plan, Build-out Scenarios, and Environmental Impact Reports.
- Efficiently handle all the GIS and Graphics related work during the project from researching source, collecting data, analyzing existing conditions and development impacts and drafting maps, to final delivery of maps and GIS data to clients.

Trinity Ventures, Hyderabad— GIS Developer

AUGUST 2021 – JULY 2022

Projects:

Chevron Oil & Gas

- Enterprise spatial database design, data modeling, GIS data migration, and data conversion.
- Operated as primary point of contact for clients, providing GIS work order proposals with time-to-completion.
- Incorporating geospatial indexing for optimal routing of cargo between your oil and gas assets and destinations. Perform field inventory collecting existing land use data and building condition information and photos.
- Changed and improved use of GIS data for mapping projects.
- Designed standardized protocols for data collection, creating cohesive database input guidelines to streamline intelligence retrieval and exploitation.
- Performing Geoprocessing operations using Python libraries.



CONTACT DETAILS

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SKILLS

Languages

- Python
- Javascript

Technical Skills

- Geospatial Analysis
- Machine learning
- SQL
- Data Science

Software skills

- **ESRI**
 - ArcGIS Desktop & Pro
 - ArcGIS Portal & Online
 - ArcGIS Server
 - ArcGIS WebApp Builder
 - ArcGIS Experience Builder
 - ArcGIS Configurable apps
 - ArcGIS Survey123
 - ArcGIS StoryMaps

- QGIS
- ERDAS Imagine
- AGISOFT
- Tableau
- FME (Basics)

GIS Libraries

- Leaflet JS
- Open Layers
- Cesium JS

Intec Infonet pvt ltd, Pasighat— GIS Developer

SEPTEMBER 2020 – July 2021

Projects:

Smart Cities

- Building Object Detection Model using Python, QGIS and Machine learning techniques.
- Post-processing of Drone captured Data using GIS and image processing software.
- Manage company's ArcGIS Online account. Update
- hardware/software as needed for the company. Troubleshoot ESRI issues. Maintain ESRI's license.
- Perform Development Suitability Analysis by analyzing existing land uses, natural features, streams and flow paths, floodplain, environmentally sensitive areas, woodlands, wildlife areas, soil characteristics, topography, aspect.
- planners to integrate a variety of data from multiple sources like road, sewerage and drinking water and to perform spatial analyses and planning

Cleverhat Photoplay, Hyderabad — GIS Analyst

DECEMBER 2017 – SEPTEMBER 2020

Projects:

Village Information System

- Increased productivity, accuracy and efficiency while reducing delays and eliminating errors during data upload procedures.
- Using ArcGIS Python API for preparing interactive maps.
- Perform geospatial analyses, spatial analysis, network analysis, 2D and 3D Data Visualization, and Cartography to provide a variety of GIS products, including interactive maps, custom publication maps, online maps, graphics, charts, tables, and reports.
- Analyze, calculate, and create tabular data and charts from spatial data for existing condition analysis, population and employment analysis, land use takeoffs and buildout tables.

Farmers Information System

- Developing scripts to be used in analysis of geospatial datasets and satellite imagery, generating information on land and water sources, supporting agricultural/water infrastructure monitoring including change detection and environmental monitoring activities

NIRDPR, Hyderabad— Research Associate

OCTOBER 2016 - NOVEMBER 2017

Projects:

Sansad Adarsh Gram Yojana (Rural Development)

- Used statistical analysis software and image analysis software to analyze images, including ArcGIS and Python.
- Collect, organize, update, and maintain a office wide GIS spatial Library using geodatabase and provide documentation on the source and update metadata. Similarly create custom symbology and color palettes, base map layouts and map labels.
- Maintained exceptional safety standards while working with hazardous materials.
- Provide GIS-related technical support and trainings to junior staffs, co-workers and clients. Create training manuals and work sheets.

EDUCATION

JNTUH, Hyderabad — Master's Degree— 71%

DECEMBER 2012 - APRIL 2015,

SPATIAL INFORMATION TECHNOLOGY

Shadan college of Engineering, Hyderabad - Bachelor's Degree

SEPTEMBER 2005 - APRIL 2009.

ELECTRONICS AND COMMUNICATION ENGINEERING

LANGUAGES

English, Hindi, Telugu & Urdu.

AP Forest Department, Hyderabad— *Project Scientist C*

FEBRUARY 2016 - OCTOBER 2016

Projects:

Andhra Pradesh Forestation and Deforestation

- Developed requirements for application of GIS solution data, including graphical representations.
- Classification of satellite images using supervised, unsupervised classification and NDVI.
- Provided data management with detailed mapping, and data analysis
- Developed and managed a comprehensive corporate spatial database
- Developed, published and enforce policies and procedures governing spatial data collection
- Management of GPS devices and undertaking GPS data processing

Avineon India pvt ltd, Hyderabad— *GIS Analyst*

MARCH 2015 - OCTOBER 2015

Projects:

Saudi Telecom Company (Generation of OrthoPhotos)

- Analyzed still and motion satellite imagery and data to produce geospatial intelligence for military operations.
- Evaluated and enhanced current cartographic representations.
- Processed DEM's into various formats which will be used for hydrologic contaminant transport modeling and analysis.
- Created slope calculation model in ArcGIS ModelBuilder for offstreet bicycle paths as well as street network based bicycle routes.

Oil & Gas

- Developed GIS data management system for tracking the installation, repair, and maintenance of client assets in the field.
- Included office-based work, using ArcGIS.
- Develop ArcGIS desktop tools to validate for Topology and Attributes errors.