

MOHAMMAD AMIR

GIS SPECIALIST / CARTOGRAPHER



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Riyadh, Saudi Arabia

TECH. & PRO. SKILLS

Defense Mapping

ArcGIS Pro 3.2

AutoCAD 2&3D

Erdas Imagine, Pix4D

UAV /Flight Planner

DGPS & T.S.

Global Mapper

Yield Estimation

QA & QC

QGIS

Urban Planner & LULC

Team Leader

Decision Making

Problem Solving

PROFESSIONAL SUMMARY

A detail-oriented and innovative GIS Specialist and Cartographer with 10 years of experience in mapping, spatial analysis, and geographic data visualization. Proficient in industry-standard GIS software, including ArcGIS, QGIS, and the Degen mapping tool. Skilled in transforming complex geospatial data into high-quality, accurate, and visually compelling maps. Adept at cartographic design, spatial data management.

WORK EXPERIENCE

GIS Specialist / Cartographer

Neo Space Group, Riyadh Saudi Arabia/ October 2023– Present

- Produced high-quality topographic and thematic maps at multiple scales (1:50K, 1:100K, 1:250K) using ArcGIS Pro, supporting spatial planning and analysis.
- Performed cartographic data generalization to convert detailed datasets from 1:50K to 1:100K, and from 1:100K to 1:250K, ensuring consistency, readability, and spatial accuracy across map scales.
- Managed geospatial databases, ensuring data integrity, accuracy, and up-to-date information

Project Associate (GIS Analyst)

Airport Authority of India/ May 2022– October 2023

- Prepared Aeronautical GIS Based cartography chart (ILS, RNP & VOR)
- Control & Monitoring of obstacles around airport.
- Aeronautical Data Management.
- Create maps identifying geographic characteristics according to client specifications.

Project Associate (GIS Analyst)

IIT Roorkee/ India /November 2017 – May 2022

- Processed aerial or satellite imagery to create products such as landcover maps.
- Use applicable software to create, translate, and integrate GIS data layers and digitize new data.
- Yield Estimation using UAV/temporal satellite image.
- Converting physical maps into a digital form for computer usage.
- UAV Image Data processing.

GIS Analyst

Elite Consultant, Roorkee/ India /August 2015 – November 2017

- Analyzing spatial data with mapping software.
- Designing digital maps with geographic data and other data sources.
- Converting physical maps into a digital form for computer usage.
- To perform QC for increasing in accuracy of data.

EDUCATION

Uttarakahnd
Technical University
India
May 2015

Bachelor's in Civil Engineering

UBTER
Technical University
India
2012

Diploma in Civil Engineering

CSBE New Delhi
India
2009

High Schooling

LANGUAGES

English

Hindi

ACCOMPLISHMENT

Certified Course in AutoCAD

PERSONAL DETAILS

Date of Birth
18th May 1992

Nationality
Indian

Marital status
Married

PROJECTS & ACHIEVMENTS

- Digital Land Record Modernization Program (DLRMP) (Chattisgarh & Jharkhand) IIT Roorkee, Real Time Cadastral Surveying Solution with a Special Emphasis to Modern GPS Technology
- Preparation of Contour Map/Dem Including X-Sections for Vishnugad Pipalkoti HEP in Uttarakhand (Dam Area & Upto 15.69 Km D/S of Dam -Right Bank,
- GIS Survey of Dalli Rajhara: Large Scale Survey using UAV, IIT, Roorkee
- UAV/Drone Survey/Resurvey and Updating of Survey & Settlement Records in Planning Zone N of DDA.
- DPR for Kansali Dam, Chikken Dam, Ambwali Dam, Khillanwalli Darn 11T Roorkee
- Volumetric Study of Stone Crasher Site at Bhogpur, Laksar Road Haridwar
- Topographical Survey of its proposed Ultra Mega Renewable Energy Power Parks (UMREPPs) of 600 MW in Uttar Pradesh.
- Prepared ILS (Instrument Landing System) Charts and NDB (Non-Directional Beacon) Charts for multiple airports across India.

PROFESSION RELEVANT SKILLS

- **Remote Sensing Techniques:** Skilled in image classification using various algorithms, image rectification, image calibration, LiDAR data analysis, and sub-pixel analysis.
- **Yield Estimation:** Expertise in using satellite and high-resolution imagery to perform yield estimation with advanced analytical algorithms.
- **Geospatial Data Handling:** Experienced in collecting geographical data, applying mapping projections, and creating accurate, data-driven maps.
- **Database Management:** Proficient in managing and analyzing large geodatabases for spatial analysis and reporting.
- **Communication & Problem-Solving:** Strong oral, written, and presentation skills, combined with excellent analytical and problem-solving capabilities.
- **Decision-Making:** Confident in making strategic decisions under pressure, with a focus on efficiency, accuracy, and project objectives.
- **Mentoring & Development:** Committed to mentoring junior staff, fostering professional growth, and creating a supportive team environment.

PASSPORT DETAILS

Passport Number – C5023807

Date of Issue – 31/12/2024

Date of Expiry -30/12/2034

Mohd Amir
Saudi Arabia