Subhan Nadeem

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CAREER OBJECTIVE / PROFESSIONAL SUMMARY

Geoinformatics graduate with academic training in Geographic Information Systems (GIS), Remote Sensing, and spatial data analysis. Experienced in satellite data processing, land use/land cover classification, and environmental spatial analysis. Strong interest in urban climate studies, spatial data science, and geospatial technologies for sustainable planning. Currently working as a UI/UX designer with experience in data visualization and digital product design, and seeking to pursue a Master's degree in Geoinformatics to further develop advanced geospatial analysis and spatial data science skills.

EDUCATION

Bachelor of Science (BS) in Geoinformatics | 2018 – 2022
Pir Mehr Ali Shah Arid Agriculture University — Rawalpindi, Pakistan

- Field of study: Geo-informatics
- Coursework: GIS, Remote Sensing, Photogrammetry, Spatial Data Analysis, Geostatistics, Cartography, Geodesy, Climate Change

FSc (Pre-Engineering) | 05/08/2016 – 09/06/2018
Punjab Group of Colleges — Rawalpindi, Pakistan

WORK EXPERIENCE

UI/UX Designer | 01/09/2025 – Current
BestHive — Karachi, Pakistan

- Design user interfaces and digital product experiences for web and mobile applications.
- Develop wireframes, prototypes, and user-centered layouts.
- Collaborate with developers to implement responsive and accessible interfaces.
- Create dashboards and visual interfaces focusing on usability and data visualization.
- Ensure consistent design systems and improved user interaction across products.

UI/UX Designer | 01/05/2024 – 09/2025
CueBytes — Rawalpindi, Pakistan

- Designed UI/UX solutions for web applications and digital platforms.
- Created wireframes, prototypes, and interface layouts.
- Collaborated with remote development teams to deliver user-friendly designs.
- Focused on usability, accessibility, and effective visual communication.

RESEARCH & TECHNICAL SKILLS

- GIS and spatial data analysis
- Remote sensing and satellite data processing
- Land Use / Land Cover (LULC) classification
- NDVI / vegetation analysis
- Land Surface Temperature (LST) analysis
- QGIS and ArcGIS / ArcGIS Pro
- Cartography and thematic mapping
- Spatial data digitization and geo-referencing
- AI-assisted GIS analysis
- Python-based geospatial analysis; OpenStreetMap, OSMnx, and NetworkX
- Google Earth Engine and Sentinel-1 SAR analysis

PROFESSIONAL SKILLS

- UI/UX design for web and mobile applications
- Wireframing, prototyping, and user-centered interface design
- Dashboard and data visualization design
- Responsive and accessible interface design
- Cross-functional collaboration with development teams
- Visual communication and design-system consistency

PROJECTS

Urban Heat Island and Land Surface Temperature Analysis in Islamabad–Rawalpindi (Final Year Project)

Conducted geospatial and remote sensing analysis to evaluate the impact of urban expansion on land surface temperature and green spaces. Processed multi-temporal Landsat satellite imagery to analyze land-cover changes and temperature patterns, and calculated NDVI to assess vegetation distribution and identify urban heat island effects.

Sentinel-1 SAR Flood Analysis — Pakistan 2022

Cloud-based SAR analysis of the 2022 Pakistan floods using Google Earth Engine and Python to compare pre-flood and peak-flood surface-water conditions.

Phoenix NDVI–LST Urban Heat Analysis — 2001 to 2024

Landsat-based NDVI and land surface temperature analysis of Phoenix, Arizona, comparing vegetation and urban heat patterns between 2001 and 2024.

Toronto 15-Minute City Accessibility Analysis

Built a Python-based pedestrian accessibility model for Toronto using OpenStreetMap data, OSMnx, and NetworkX. Modeled the street network around Union Station and calculated a 15-minute walking isochrone using graph-based routing and time-weighted street segments.

CERTIFICATIONS & PROFESSIONAL COURSES

- Getting Started with GIS — Esri, 01/01/2019
- ArcGIS Pro Basics — Esri, 07/03/2026

RESEARCH INTERESTS

- Geospatial Data Science
- Remote sensing for urban climate analysis
- Land surface temperature analysis
- Sustainable urban planning using GIS

PROFESSIONAL PROFILES

- LinkedIn: https://www.linkedin.com/in/subhan-gis/
- Projects: https://www.subhannadeem.com
- Github: https://github.com/Subhan-des

LANGUAGES

- Urdu
- English