

Keyhan Khosravifard

Web GIS Developer — GIS Specialist

+98 933 184 9251 | keyhan.khosravifard@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio & Projects](#)

PROFESSIONAL SUMMARY

M.Sc. in Geomatics Engineering (GIS) with expertise in Web GIS development, spatial analysis, and geospatial software engineering. Experienced in building geospatial applications using Python, Django, PostGIS, Leaflet, and GeoServer. Developed routing systems, accident analysis platforms, and location-based decision support solutions.

EDUCATION

Graduate University of Advanced Technology <i>M.Sc. in Geomatic Engineering, Specialization in GIS — Ranked 1st</i>	Kerman, Iran 2019 – 2022
University of Sayyed Jamaledin Asadabadi <i>B.Sc. in Geomatic Engineering (Surveying) — Ranked 1st</i>	Hamadan, Iran 2015 – 2019

EXPERIENCE

Web GIS Developer & GIS Specialist <i>Freelance</i>	Jan 2025 – Present Iran
- Delivered freelance GIS and Web GIS solutions for routing, spatial analysis, cartography, and geospatial visualization projects. - Developed geospatial applications using Python, Django, PostgreSQL/PostGIS, Leaflet, GeoServer, and OpenStreetMap data. - Designed and implemented REST APIs for geospatial data processing and delivery using Django REST Framework. - Performed spatial analysis, suitability modeling, and GIS-based decision support studies using MCE and AHP methodologies. - Produced analytical maps, processed environmental datasets, and developed spatial workflows tailored to client requirements.	
GIS Specialist <i>Confidential Company</i>	Dec 2023 – Apr 2024 Iran
- Managed, maintained, and integrated organizational geospatial datasets. - Produced analytical and thematic maps using ArcGIS. - Identified spatial data requirements and aligned datasets with organizational objectives. - Supported GIS data management and cartographic production workflows.	
Web GIS Developer <i>Fault Monitoring System Project</i>	Jun 2020 – Aug 2020 Iran
- Designed and implemented a real-time fault monitoring system using Web GIS technologies. - Developed anomaly detection and visual alert mechanisms on interactive maps. - Created automated warning workflows for monitoring hazardous faults. - Integrated spatial visualization tools to improve monitoring and decision-making processes.	
Web GIS Instructor <i>Self-Employed — Online</i>	2023 & 2025 Iran
- Developed and delivered introductory training materials for GIS and Web GIS technologies. - Conducted online instructional sessions covering Python, Django, ArcGIS, HTML, and CSS.	

PROJECTS

- WebGIS Collaboration Platform** | *Django, GeoDjango, PostGIS, GeoServer, Leaflet, JavaScript* 2026
- Designing and developing an open-source collaborative Web GIS platform for geospatial data management and map-based workflows.
 - Implemented role-based access control (RBAC) supporting Guest, Viewer, Editor, and Administrator permissions.
 - Integrated organizational map services through WMS/WFS and enabled user-managed GeoJSON layer uploads.
 - Developed tools for feature creation, editing, map printing, dynamic legends, and REST API integration.
- CrashCluster** | *Python, Django, Django REST Framework, PostGIS, Leaflet* 2025
- Developed a Web GIS platform for visualization and spatial analysis of traffic accident hotspots.
 - Implemented donut clustering and temporal filtering for interactive exploration of accident patterns.
 - Built REST APIs and integrated spatial data workflows.
- Routing System** | *Python, Django, PostGIS, OpenStreetMap* 2025
- Developed a GIS-based routing application using OpenStreetMap road network data.
 - Implemented shortest path calculations and interactive route visualization.
- Tourism Recommendation Web GIS** | *Python, Django, PostgreSQL, Leaflet* 2022
- Developed a context-aware Web GIS recommender system for tourism planning.
 - Integrated user preferences, weather, location, and routing services.
 - Published results in a peer-reviewed GIS journal.

TECHNICAL SKILLS

GIS & Spatial Analysis:

ArcGIS, QGIS, Spatial Analysis, Site Selection, MCE, AHP

Web GIS:

Leaflet, GeoServer, GeoDjango, OpenStreetMap

Programming:

Python, Django, Django REST Framework, JavaScript

Databases:

PostgreSQL, PostGIS

Web Development:

HTML, CSS, Bootstrap, Git

Other Software:

ENVI, AutoCAD Civil 3D, Photoshop

LANGUAGES

- Persian: Native
- English: Upper-Intermediate (B2)

HONORS

- Graduated as the top-ranked student in both Bachelor's and Master's programs in Geomatics Engineering.
- Exemplary Undergraduate Researcher Award.

PUBLICATIONS

Author of 5 peer-reviewed publications in GIS, Web GIS, and Spatial Analysis.

[View Full Publication List on ResearchGate](#)