

# Mahsa Keshavarz

Front-end Developer | Geospatial Data Analyst

Mashhad, Iran

**Portfolio:** [www.mahsakeshavarz.com](http://www.mahsakeshavarz.com)

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## SKILLS

**Front-end development:** Next, React, Redux, Bootstrap, Tailwind, Three, Chart, Leaflet, jQuery, JavaScript, CSS, HTML

**Back-end development:** Python, Django, PostgreSQL, PostGIS, GDAL

**Data analysis:** ArcGIS, QGIS, NumPy, Pandas, GeoPandas, Folium, Seaborn, Matplotlib, Scikit-learn, TensorFlow

**Dev tools:** Git, Github, Gitlab

**Soft skills:** Teamwork, Time management, Critical thinking, Problem Solving, Creativity

## EDUCATION

### University of Tehran

M.Sc. Remote Sensing & Geographic Information Systems - Geographic Information Systems (GIS)

2019-2022 GPA: 3.5/4 Or 17.60/20

### Ferdowsi University of Mashhad

B.Sc. Landscape Architecture

2013-2017 GPA: 3.7/4 Or 18.63/20

## EXPERIENCES

**Front-end developer Intern @ SeeNous** Sep 2024 – Dec 2024

- Developing interactive charts to enhance data visualization.
- Developing dynamic 3D data visualizations for digital twin applications.
- Participating in code reviews and collaborating with team members to ensure high-quality code standards.
- Engaging in agile development processes, contributing to sprint planning and daily stand-ups.

**Geospatial Data Analyst @ Freelance** Jan 2023 – Sep 2024

- Geospatial data processing, visualization, and modeling.
- Spatio-temporal analysis of environmental and public health issues.

**Research Assistant @ University of Tehran** Sep 2019 - Dec 2022

- Designing an algorithm for geocoding Persian textual addresses.
- Analyzing the spatio-temporal features of hospital visits in study area.
- Modeling hospital visits for some health conditions using deep learning.
- Developing a Web GIS app to communicate information effectively.

## CERTIFICATES

Supervised machine learning: regression and classification

Coursera, [Credential URL](#)

Machine learning for predictive maps in Python and Leaflet

Udemy, [Credential URL](#)

Complete JavaScript and jQuery course

Udemy, [Credential URL](#)

Time series analysis in Python: Master applied data analysis

Udemy, [Credential URL](#)

Spatial Analysis & Geospatial Data Science in Python

Udemy, [Credential URL](#)

## COURSEWORK

Programming in remote sensing & GIS

Advanced programming in GIS

Database management

Advanced GIS

Advanced satellite imagery processing

Artificial intelligence algorithms

Digital terrain modeling

Citizen-centered GIS

GIS modeling in urban & rural studies

GIS modeling in water & soil studies

Physics of remote sensing

Spatial multi-criteria decision-making analysis

## HONORS

Ranked 8th nationwide in the Remote Sensing & GIS university entrance exam, 2019

Ranked 1st in the Landscape Architecture major, Class of 2017

## LANGUAGES

English (Upper intermediate)

Persian (Native)