

Seyed Saman Madani *Full-Stack Developer*

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Profile

Full-Stack Developer with 5 years of experience in Python and JavaScript, combining strong problem solving skills with a mechanical engineering background from Iran’s top universities. Proficient in building scalable web applications, machine learning models, and data driven solutions using innovative technologies

Skills

Programming Languages

Python , JavaScript(ES6+)

Data Science

Tensorflow, Scikit-learn, Pandas, Numpy, Matplotlib

Tools

Git, Docker, Kubernetes

Web Development

React, NextJS, Django, React Native, FastAPI, Expo, Tailwind CSS

Database

PostgreSQL, MongoDB, Redis, SQLite

Concepts/Methodologies

RESTful APIs, Agile/Scrum

Projects

- Mehrinja**
NextJS, Django
Website for finding senior living houses around Iran. Full-stack development, API design, and database architecture

07/2024 – present
- Retrieval - Augmented Generation(RAG)**
FastAPI, MongoDB, Docker
Designing a fully functional Retrieval-Augmented Generation (RAG) system involves indexing uploaded documents using FAISS, retrieving relevant data from the document, and generating a response from a Large Language Model (LLM) based on the retrieved context.

12/2024 – 01/2025
- World Athletics Data Mining**
Python, Data Analysis
Mined competition data from World Athletics, merged with NASA pollution data, and analyzed athlete performance correlation with pollution

01/2024 – 11/2024
- E-Card QR App**
React Native, Django
Built a QR code business card app with React Native frontend and Django backend for easy contact sharing.

11/2024 – 12/2024

Education

M.Sc. in Mechanical Engineering

2016 – 2019

University of Tehran

Achieved 5th rank among 120 students in Mechanical Engineering at Tehran University.

B.Sc. in Mechanical Engineering

2012 – 2016

Sharif University of Technology

Completed a Minor in Physics alongside the major in Mechanical Engineering

Professional Experience

Freelance Web Developer

2023 – present

- Developed a backend system connecting passengers with document senders.
- Delivered custom solutions across industries.

Tehran, Iran

Full-Stack Developer

2022 – present

Topsfirm - Tose Paydare Hezare Sevom

- Designed and deployed full-stack web applications with Next.js and Django.
- Built scalable APIs and automated civil engineering checklists with Python.

Tehran, Iran

Automation Developer

2021 – 2022

Abniro

- Developed a scraper for Telegram group/channel discovery.
- Analyzed large datasets with Pandas and optimized keyword search systems.

Tehran, Iran

Achievements

Telegram

Created an Instant View page for an international website on Telegram, enhancing user accessibility and experience.

Transition

Successfully transitioned career from mechanical engineering to full-stack development, self-learning advanced technologies.

Languages

English

TOEFL 102

Persian

Native