

Mohammadreza Amani

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EDUCATION

Shahid Beheshti University, Tehran, Iran
Master's Degree in Data Mining, Expected 2025–2027

Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran
Bachelor's Degree in Computer Science, 2020–2024 GPA: 3.4

SAMPAD - Talented Students Organization, Tehran, Iran
High School Diploma, 2013–2020

EXPERIENCE

Technical Team Lead Walliro
Sep 2024 – Present Remote
Lead the technical team at Walliro, managing maintenance and enhancement of legacy projects for clients including the Ministry of Interior, Ministry of Energy, Oghaf Organization, and Khuzestan Water and Power Authority. Oversee development of new applications such as Studixo, Walliro, and Lopro, utilizing Django, Next.js, React, FastAPI, and GoLang to deliver robust solutions.

Software Engineer Yektanet
May 2024 – Sep 2024 Tehran, Iran
Contributed to the Chavosh application by developing a Telegram bot, establishing CI/CD pipelines, and managing Kubernetes deployments. Designed and implemented an AI-based fraud detection system to enhance platform security, leveraging Django and FastAPI for automation and system reliability.

Software Engineer Paya
Sep 2023 – May 2024 Tehran, Iran
Developed enterprise ERP systems at Paya, focusing on backend development with Django and FastAPI, and occasionally contributing to frontend tasks using React. Utilized GoLang, Apache Kafka, and ETL processes to build scalable solutions for organizational portals and electronic services.

Software Engineer Digi Next
2023 Tehran, Iran
Contributed to software development projects, focusing on backend and frontend solutions to support innovative company initiatives.

Software Engineer (Part-Time) Arushop
Nov 2020 – Jun 2023 Tehran, Iran
Designed and implemented an internal Ruby API for sending and receiving commands to scooters over LTE networks. Developed an automated bike firmware update system for over 100,000 scooters worldwide, using React, Ruby on Rails, PostgreSQL, and AWS EC2, significantly reducing developer workload.

SKILLS

Main Skills: Python, Django, Django REST Framework, FastAPI, Go (Gin, Echo), Next.js, React, React Native, Electron, Typescript, Node.js, PostgreSQL, MySQL, MongoDB, Redis, Memcached, Apache Kafka, RabbitMQ, Elasticsearch, Docker, Kubernetes, CI/CD, AWS EC2, Cloudflare Workers, Nginx, TailwindCSS, Shadcn UI, OpenAI, OpenAI Agents SDK, HTML, CSS, Git, ORM, Celery, Linux (Debian, Fedora, Arch, Ubuntu)

VOLUNTARY ACTIVITIES

Member of Scientific Team CS50x Iran
Mar 2023 – Jul 2023 Tehran, Iran

Contributed to Harvard's CS50x program in Iran, introducing students to computer science and programming through workshops and mentorship.

Member of Scientific Team

CWS

Dec 2021 – Aug 2022

Tehran, Iran

Participated in the second Computer Science and Engineering event organized by the 16th Scientific Association of Mathematics and Computer Engineering Faculty, fostering academic collaboration.

PROJECTS

Bionex (Dec 2021 – Present): AI-powered healthcare application with conversational capabilities and body movement detection, built with Next.js, Typescript, PostgreSQL, Django, Django REST Framework, OpenAI, TailwindCSS, and Shaden UI. bionex.ir

Studixo (Jan 2025 – Jul 2025): AI-driven educational platform offering personalized learning and analytics for students, developed with Next.js, Typescript, PostgreSQL, Django, Celery, OpenAI, TailwindCSS, and Cloudflare Workers. studixo.com

Hojan BIZZ (Sep 2024 – May 2025): AI-powered customer support chatbot using GPT models, built with Django, PostgreSQL, OpenAI, Celery, and Redis. hojan.bizz

INUI (Aug 2023 – Present): Python frontend framework for building intuitive interfaces, enabling Python developers to create efficient frontends. [PyPI](https://github.com/PyPI)
[GitHub](https://github.com)

LinCut: URL-shortener website developed with Django, FastAPI, and INUI (Bootstrap) frontend. [GitHub](https://github.com)

Pure-Messenger: CLI real-time chat application written in Python, including server and client components. [GitHub](https://github.com)

Farmina (Jun 2023 – Present): AI-based assistant for farmers and gardeners with Django backend, INUI (React) web frontend, INUI (React Native) for Android/iOS, and INUI (Electron) for Windows/Linux. [Under Development](#)

Roomify: Reservation system backend developed using Django. [GitHub](https://github.com)

UNILAND: Modular Telegram bot for universities, developed by a team of eight CS students at AUT. [GitHub](https://github.com)

GoGrep: Go implementation of the Linux grep module. [GitHub](https://github.com)

AruShop: E-commerce website developed with Django and INUI. [GitHub](https://github.com)

Instago: Django-based Instagram clone with INUI frontend. [GitHub](https://github.com)

Django DigiKala Clone: E-commerce platform with Django and INUI frontend. [GitHub](https://github.com)

Django Amazon Clone: E-commerce platform with Django and INUI frontend. [GitHub](https://github.com)

HamSpam: NLP-based email classifier for Persian language. [GitHub](https://github.com)

Other Projects: Explore additional projects on my [GitHub](https://github.com). [GitHub](https://github.com)

Updated in July 2025