

ALI SAMADIAN



CONTACT DETAILS

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Telegram

Whatsapp

Tehran, IR

SOCIAL DETAILS

- Portfolio
- Linkedin
- GitHub

LANGUAGES

English (fluent)

Persian (native)

SKILLS

- Data Science: Python, numpy, pandas, matplotlib, Pytorch, Pytorch Lightning, SciPy, Scikit-learn
- DevOps: Docker, Docker Compose, Docker Swarm mode, Microservice and Monolithic architectures, Git, GitHub, Linux, Nginx
- Backend: Django, DRF, Daphne, Protocols
- Databases: PostgreSQL, Redis
- Frontend: HTML, CSS, vanilla JavaScript, SASS, Material UI, Bootstrap, WebSocket, AJAX
- Other hard skills: wordpress, Web scraping, automation
- Soft skills: Communication and team collaboration

BRIEF INTRODUCTION

Data Scientist and Full-Stack Developer with over 4 years of freelance experience building and deploying end-to-end web solutions. My approach to development is to find the most efficient and simplest, but professional and scalable answers for the tasks.

Data Science: Proficient in Machine learning, Deep learning, expertise in three main types of generative neural networks: GANs, VAEs, and diffusion models. Experience and solid understanding of DSP, CNNs, RNNs, RL, and data pre-processing and post-processing.

DevOps: Developed servers using Docker for Microservice and Monolithic architectures. familiar with DevOps requirements like Git, GitHub, forward and reverse proxy, load balancing, Cron Jobs, CI/CD, automation.

Back-end: Experienced with Django, DRF, for back-end development. experienced with concepts like SQL and NoSQL databases, ORMs, WSGI/ASGI servers, protocols, security best practices, architectural and design patterns, caching, testing (manual and unit), SEO principles.

Front-end: Extensive experience building responsive and interactive user interfaces using core technologies like HTML/CSS and modern JavaScript (ES6), with a strong understanding of UI/UX principles, form validation, and Single-Page Application (SPA) architecture (React and Redux if necessary).

EXPERIENCE

FREELANCE DATA SCIENTIST & FULL-STACK DEVELOPER 2020.02–Present

◇ Participated in developing, debugging, feature enhancement, and improving diverse projects. Collaborated with development teams in person and virtually, using a wide range of technologies for various project requirements.

Selected portfolio highlights (shared with clients approval):

- Cyberuni:** Developed a comprehensive LMS system from scratch, implementing AI features like video subtitle generator in Persian language with real-time editing features.
Stack: Docker-compose, Daphne (ASGI server), Nginx (reverse proxy), Django, PostgreSQL, Redis, DRF, Axios, Django Templates
- Hesabraslaw:** Built a fully-functional legal consultation platform. Featured with booking functionality and asynchronous real-time chat for lawyer-client communication.
Stack: Docker-compose, Daphne (ASGI server), Nginx (reverse proxy), Django, PostgreSQL, channels, WebSockets, Axios, Django Templates
- Arya Akhavan:** A single page portfolio website using pure HTML, CSS, JS
- Niloufar Fuladi:** A static portfolio website using pure HTML, CSS, JS

MILITARY SERVICE

2019.01–2021.01

COMPUTER TECHNICIAN at Rastin Arqam

2013.09–2016.01

◇ Part-time computer technician responsible for network setup, maintenance, and technical support for ISP providers.

EDUCATION

MASTER'S IN DATA MINING - Kharazmi University

2022–Present

◇ Thesis title: *The Application of GANs in City Layouts*

◇ Advisor: *Dr. Zahra Nilfroushan*

BACHELOR OF CIVIL ENGINEERING - Karaj Islamic Azad University 2010–2016

HIGH SCHOOL DIPLOMA IN MATHEMATICS AND PHYSICS

2008–2010