



# MAZIYAR KOLAGAR

AI Engineer

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## Summary

Computer Science student and aspiring AI Engineer with a strong interest in building intelligent systems that solve real-world problems. Passionate about applying advances in machine learning and generative AI to create practical, user-focused solutions. Experienced in turning ideas into working applications through continuous learning, hands-on projects, and a strong foundation in software development. Eager to contribute to innovative teams while growing expertise in modern AI technologies and scalable AI systems.

## Skills

Artificial Intelligence:

PyTorch • TensorFlow • Scikit-learn • LangChain • Hugging Face • Fine-Tuning • Prompt Engineering • RAG • AI Agent Development

Web Development: HTML5 • CSS3 • JavaScript • Django • Python • Responsive Design

Tools & Technologies: Git • GitHub • VS Code • Postman • MySQL • SQLite

## Projects

### AI Resume Matcher

<https://airesumematcher.pythonanywhere.com/>

Built an AI powered resume analysis platform that evaluates resumes against job descriptions using HuggingFace LLMs (Qwen3-8B) and provides actionable insights.

- Engineered a real-time resume analysis pipeline using Django, PyMuPDF for PDF extraction, and HuggingFace Inference API for intelligent job-resume matching.
- Implemented strict evidence-based skill matching algorithm that prevents hallucination and ensures accurate gap analysis with auto-calculated match scores.
- Designed a fully Persian (Farsi) UI/UX with RTL layout, session-based privacy, and responsive dark-themed interface.
- Deployed on PythonAnywhere with lightweight architecture (5 dependencies) optimized for free-tier hosting constraints.

### Ecommerce web App

<https://maziyar.pythonanywhere.com/>

Built a full-stack e-commerce platform with Django, featuring product management, shopping cart, user authentication, and a custom admin panel.

- Developed multi-language support (EN/FA) with session-based language switching and RTL/LTR layout handling.
- Implemented product filtering, search, rating system, and newsletter subscription.
- Built a custom admin dashboard with CRUD operations for products, categories, users, and comments.
- Designed a responsive UI with dark/light theme toggle using Bootstrap 5 and custom CSS.
- Deployed on PythonAnywhere with SQLite database and WhiteNoise for static file serving.

### Portfolio

<https://thrymheim.github.io/Portfolio>

Developed a responsive bilingual (EN/FA) personal portfolio website with modern UI/UX design.

- Built bilingual support with RTL/LTR layout switching and Vazirmatn font for Persian text.
- Implemented animated hero section with typing effect, particle background, and scroll-triggered animations.
- Designed a functional contact form integrated with Formspree for direct email communication.
- Created a responsive skills section with categorized tags and a project showcase with image support.
- Applied dark theme with gradient accents, smooth transitions, and mobile-first responsive design using HTML, CSS, and JavaScript.

## Experience



Mojtama Fani Tehran (Babol Branch)

Iran, Mazandaran

Programming teacher

06/2024 - Present

- Designed and delivered Python programming courses for beginner to advanced students, covering core concepts like OOP, data structures, and algorithms.
- Taught Django framework for web development, including hands-on projects on building RESTful APIs, database integration, and deploying web applications.
- Developed course materials, including coding exercises, real-world projects, and assessments, to ensure practical, industry-relevant learning.

## Education

Mazandaran University Of Science and Technology

09/2023 - Present

Bachelor of Computer Engineering

## Books

Programming with Python for Engineers

<https://taaghche.com/book/207808>

2024

Sinan Kalkan, Onur T. Şehitoğlu, Göktürk Üçoluk / Translated by Maziyar Kolagar and Javad Isazadeh

Data Analysis from Scratch with Python

<https://taaghche.com/book/202786>

2023

Peters Morgan / Translated by Maziyar Kolagar and Javad Isazadeh

## Key Achievements



BIAUPC

Achieved 1st place in the BIAUPC Programming and Algorithm Contest at Islamic Azad University of Babol, solving complex problems in Python as part of a high-performing team. Showcased advanced algorithmic knowledge, problem-solving skills, and effective collaboration under competitive conditions.



Futsal Simulator Programming Competition in C#

During my participation in this competition, I gained valuable experience in game development using C# and collaborating with peers also improved my problem-solving skills and allowed me to learn different coding techniques.