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Top Skills

Prompt Engineering
OpenAI API
AI Agents

Languages

Turkish (Elementary)
Spanish (Elementary)
Italian (Limited Working)
English (Full Professional)
Persian (Native or Bilingual)

Certifications

Full-Stack app with Angular 12,
Python Django and Mongo DB
React JS and .NET Core Web API
Full Stack Master
Live Coding with Data Structures
GENERAL HEALTH AND SAFETY
IN THE WORKPLACE

Honors-Awards

Tehran 2D_soccer_simulation
robocop competition - Third place

Pooya Nasiri

M.Sc. A.I. & M.L. engineering
Parma, Emilia-Romagna, Italy

Summary

AI & Machine Learning Engineer with 5+ years of experience delivering end-to-end AI solutions and production-grade software. I recently earned an M.Sc. in Artificial Intelligence from the University of Padua (UNIPD). Proficient in Python and TensorFlow, with systems-level expertise in C, C++, C# and Swift, I focus on optimizing model performance and building robust, scalable products. I have led projects from research prototyping through production deployment, prioritizing measurable impact and resource-efficient implementations. I am actively seeking AI/ML engineering roles where I can bridge research and production to deliver high-impact solutions.

Experience

Javis SRL

Artificial Intelligence Engineer

March 2024 - December 2024 (10 months)

Vicenza, Veneto, Italy

AI Engineer in logistics optimization: improved routing, packing, and demand forecasting for efficient deliveries.

- LSTM demand forecasting (TensorFlow/Keras) with robust backtesting.
- Integrated forecasts into VRP solvers (MIP + heuristics).
- End-to-end pipelines: ETL, feature engineering, training.
- Productionized APIs and containers (Docker / Kubernetes).
- Monitored models and retraining (MLflow, Prometheus).

Azar Liopad

Senior Software Developer

August 2020 - September 2022 (2 years 2 months)

Tehran, Iran

- AzarLiopad is a smart firefighting & safety equipment company, designing a panel to monitor and control the equipment. We are developing an advanced and user-friendly software to connect to that panel.

- I was the full-stack programmer and then maintaining and debugging of the software.
- Used C# and Visual-studio to build it. A brief list of technologies that I used:
 - Serial connection through USB port and Client/Server connection for online communication.
 - Object serializing and de-serializing to save and load files
 - Compatible size of each element of the software's UI with size of the window

Vancosys Data Security Inc.
Senior Software Developer
November 2021 - August 2022 (10 months)
Vancouver, British Columbia, Canada

IDmelon Pairing Tool project: IDmelon offers a passwordless authentication solution for both enterprises and individuals, using FIDO2 authentication standards.

I work on developing IDmelon Windows and macOS applications, using technologies such as:

- C# windows form programming
- Swift programming
- C# WPF programming
- Driver programming
- Windows Service
- Socket and Pipe
- Fido authentication
- PKI
- OpenSC
- OpenSSL
- Cryptographic
- Virtual SmartCard

Tajhiz Teb
Hardware Specialist
May 2019 - March 2021 (1 year 11 months)
Tehran Province, Iran

- TajhizTeb was a company that worked on Smart medical gadget and equipment.
- I worked as the lead of R&D group in hardware team to research and develop new gadgets such as mobile and versatile ECG
- Used technologies: Arduino programming, IOT, Client/Server programming

Freelance

Freelance

2013 - 2021 (8 years)

- I began working as a freelance software developer in different fields and worked in areas such as:
 - Windows app developing with C# and WPF,
 - Micro-controller smart industry and smart home services,
 - Artificial intelligence and Machine learning researches

Sharif naad 'e lenge

Hardware Software Engineer

January 2019 - January 2020 (1 year 1 month)

Bushehr, Iran

- Smart Ocean-water desalination
- A smart device which had the input of ocean water and output of desalinated water
- Used technologies: microcontroller programming, IOT, Client/Server C programming

A.I. Matter

Co-Founder

2013 - 2017 (4 years)

Tehran, Iran

- A smart home startup which began with a group of programmers and failed due to lack of experiment and rawness of youth
- Used technologies: microcontroller programming, IOT, ESP, Client/Server C programming, Android JAVA programming,

Education

Università degli Studi di Padova

Master of Engineering - MEng, Computer engineering - Artificial Intelligence

· (October 2022 - October 2025)

Azad University (IAU)

Bachelor of Engineering - BE, Computer Software Engineering · (September 2015 - February 2019)

Tehran Institute of Technology - Hafez branch

Engineer's degree, Microcontroller · (2012 - 2015)

Pooya 11 Students' Science and Research Institute
Student, Computer Programming/Programmer, General · (2010 - 2013)