

## Contact

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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.

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## 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:
  - o Serial connection through USB port and Client/Server connection for online communication.
  - o Object serializing and de-serializing to save and load files
  - o 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,

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## 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)