

# Amir Mohammad Farhang

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## WORK EXPERIENCE

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### AITEM@Dumarey

February 2025 - Present

Full-stack developer

Turin, Italy

- Developing world's leading veterinary AI copilot, LAIKA
- Developed the third-party integration to provide scalable and secure APIs to current solutions, **serving thousands of clients.**
- Worked **with RAG systems** and knowledge graphs

Skills: MongoDB, NLP, TypeScript, Loopback, AWS Cognito, AWS lambda, AWS S3, Llama, LLM, unit tests

### Aargonlab

May 2024- February 2025

Full-stack developer

Turin, Italy

- Managed and delivered over 8 industrial projects, including cross platform mobile apps, web applications, CRMs, and Shopify integrations.
- Developed a RAG bot for Emmetistore (most visited and number 1 in sales in Italy), providing customized product recommendations from a catalog of **over 7,000 products.**
- Conducted catalog analysis using similarity search and machine learning for various store feeds.

Skills: Node.js, Python, AWS, Shopify, Flutter, Bedrock, Fine-tuning, Gen-AI, React, React.js, MySQL, MongoDB, NLP, Familiarity Search (FAIS, OpenSearch), PyTorch, RAG, AWS Similarity Search, Firebase

### Mobility48

March 2023- September 2023

Full-stack Developer

Turin, Italy

- Developed a carpooling platform with real-time mapping via Telegram.
- Implemented user management and data tracking systems.
- Built an administrative web dashboard.

Skills: PHP, CakePHP, Vue.js, Bootstrap Vue, MySQL, MSSQL, gcp, Telegram Bot/API, JavaScript

### RepinMap

January 2024- Present

Founder, CTO

Turin, Italy

User-generated, real-time map for local businesses:

- Over 300 users on the waiting list.

### SITPolito

January 2024- Present

Head of HR Division, Project Team Member

Focused on entrepreneurship and social innovation

- Increased member sign-ups by 60%.
- Served as a Politecnico di Torino Welcome Program speaker and ambassador.
- Listed as independent founder and speaker (repinmap.com)

Skills: Management, public speaking, Leadership

### Compo

August 2020- January 2024

Full-stack Developer

Multimedia streaming and video/voice call application (virtual class room):

- Implemented real-time streaming (audio, video, text) with low latency, up to 60fps, and adaptive quality up to 4K.

- Developed a Windows client application in C#.
- Collaborated with 3 educational institutes for online teaching.

Skills: C#, WPF, WebRTC, SFU, PHP, JavaScript, RTMP, WebSocket, PostgreSQL

## EDUCATION

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### Polytechnic Of Turin

October 2022- Present

Bachelor in Computer Engineering

Turin, Italy

### National Organization for Development of Exceptional Talents of Iran (SAMPAD)

October 2022

Diploma in Mathematics and Physics, GPA 4.7/5

Karaj, Iran

## Achievement

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### Crypto Economics Security Conference by Berkeley RDI

<https://cesc22.hotcrp.com/paper/158>

- White Paper of my research work in parallel computing with a focus on distributed computing in p2p networks

### Second place of NASA SpaceApp hackathon

October 2024

Turin, Italy

AI Platform to perform analysis on Big Data provided by NASA and multiple other European sources to do a in depth and real time analysis for coordinate based lands and providing agricultural analysis and disaster predication,

- Selected by European Space Agency (ESA) for pre-incubation, still on-going

### First Place at LauzHack By University of EPFL

December 2024

Lausanne, Switzerland

forecasting problem proposed by [Bristol Myers Squibb](#), developed a completely interactive web/mobile app that is completely **context-aware** and capable of **doing real-time forecasting** based on historical and **multivariable** analysis with the easiest UI to be usable for non-tech users + a chat bot that is elaborative on the forecast with considering relevant matters at the selected time frame.

- Invited to [Bristol Myers Squibb](#) Head quarter in Lausanne for presenting the solution to board members, technical staff and company tour.

### First Place at AssetClaasic Hackathopn my Plug and Play ventures Modena And TikTok

June 2025

Modena, Italy

Problem proposed by both TikTok and AssetClassic, the goal was to do a accurate sentiment analysis by scraped data from TikTok and also provide a forecast price of the cars they had in the database.

We Developed an interactive "Premium Automotive Intelligence Platform" to solve complex vehicle valuation and market analysis challenges. The web application provides real-time, data-driven insights for investors, collectors, and enthusiasts. Developed privacy preserving RAG models to interact with user questions, get live market info from various market places, scraped more than 1000 posts overnight and more than 30,000 comments with audio transcription and data cleaning, all automated.

