



# SOBHAN FOOLADI MAHANI

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PYTHON DEVELOPER | AI

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## CONTACT

✉ sobhan.fld@outlook.com

📍 Spain, Barcelona

<https://sobhan-fld.github.io/cv/>

## LANGUAGES

English - Fluent - IELTS Certified

Spanish - A1

Farsi - Native

## PROFESSIONAL EXPERIENCE

A skilled Python Developer with expertise in AI-driven technologies, signal processing, and scalable software development. Experienced in creating high-quality APIs and implementing machine learning models for real-world applications.

Contributed to innovative R&D projects like MAXSENS in Barcelona, Spain, which earned the Second Prize in IoT Solutions 2024 and was recognized as the Best Startup in the Health Industry. Focused on EMG signal processing classification and optimizing performance in cutting-edge AI applications.

Currently pursuing a part-time Master's in Telecommunications, expanding expertise in advanced computing and AI. Passionate about leveraging technology to drive impactful solutions and innovation.

## EDUCATION

○ Feb 2023 – Present

Master's in Telecommunications (MATT)  
(Part-Time)

UPC, Spain (Feb 2023 – Present)

○ Sep 2015 – Aug 2020

Bachelor's in Information Technology  
Azad University of Karaj

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## SKILLS

Python

Flask

Git

Mediapipe

Machin Learning

Deep Learning

Java Script

C#

HTML

Document Workflow

Scenario Modeling

Canvas

## EXPERIENCE

Jul 2023 – Present

**Backend Developer and R&D Engineer**

Imaz Tech, Barcelona, Spain

- Developed and managed Flask APIs to support machine learning models and microservices architecture.
- Executed a comprehensive code review process, identifying performance bottlenecks and implementing targeted refactoring; this initiative reduced CPU usage by 30%, ensuring smoother application performance during peak user activity.
- Collaborated with front-end teams on responsive applications.
- Conducted testing and debugging to ensure reliability.
- Developed algorithms that enhanced accuracy in range of motion analysis by 30% through innovative signal filtering methods; collaborated with cross-functional teams on delivering precise data visualization for research-driven insights.

10 / 2021 – 01 / 2023

**Software Engineer**

SaminCoin, Karaj

- Developed backend systems with Python and Django.
- Designed robust RESTful API endpoints with Python using Django framework resulting in rapid feature deployment cycles that decreased development time per project phase by approximately 15 hours on average each sprint cycle.
- Troubleshoot and optimized code with cross-functional teams.
- Coordinated with four software engineers to conduct thorough code reviews using Git, resulting in the detection and resolution of over ten potential security vulnerabilities before deployment on production systems.
- Created UML models and collaborated with UI/UX teams.