



Erfan Norozi

AI developer

DoB: 2000-05-02

Marital Status: Single

Military Service: Not Served

✉ erfan.norozi54@gmail.com

☎ (+98)9046077767

📍 Tehran, Iran



Social Network



erfannorozi



Language

English

Reading ● ● ● ● ●

Writing ● ● ● ● ●

Speaking ● ● ● ● ●

Listening ● ● ● ● ●



Profile Summary

A highly motivated and results-driven electrical (Control) engineering graduated from Amirkabir University of Technology (AUT) with one year of experience in AI development. Possesses a strong understanding of AI technologies and their practical applications. Skilled in programming languages such as Python and C++, as well as machine learning and deep learning frameworks like TensorFlow and PyTorch. Passionate about staying up-to-date with the latest developments in the field of artificial intelligence and eager to apply this knowledge to develop innovative solutions.



Skills

Python

C++

Tensorflow

PyTorch

Machine learning

Deep learning

OpenCV

MongoDB

Apache Spark

Docker

Linux

Node.js

STM32CubeIDE

stm32 برنامه نویسی

MATLAB simulink



Education

Bachelor of Electrical Engineering

Branch: Control

Institute/University: Amirkabir University Of Technology

Tehran, Iran

2018 - 2023

GPA: 3.7

Master of Control engineering

Branch: Control

Institute/University: University Of Tehran

Tehran, Iran

2023 - Present



Work Experience

Junior AI developer

Part AI Company

Tehran, Iran

March 2022 - October 2022

Tasks and Achievements

- - Used Apache spark to distributed data processing
- - Developed an inventory management application using time series forecasting model

AI developer

iThermAI

Leuven, Flemish, Belgium

October 2023 - April 2024

Tasks and Achievements

- Developed FSD (fire and smoke detection) using HikVision surveillance cameras by fine-tuning the YOLO5 model with specialized fire and smoke images.
- Deployed YOLO5 model on NVIDIA Jetson board with an optimized user interface for fire and smoke detection, including alarm notifications and data logging.



Certificates

Machine learning

Institute: Coursera

September 2021

Link: <https://coursera.org/verify/NJ3RFJRSWC6Z>

Deep learning

Institute: Coursera

May 2022

Link: <https://coursera.org/verify/CD8V5x7xgVBR>

Mastering Micro-controller and Embedded driver development

Institute: Udemy

January 2023



Projects

Automated License Plate Recognition

December 2022

Capture the camera stream, recognize the license plate, and store the license plate data in the database.

Inventory management application using time series forecasting model

For: Part AI

August 2022

This project is implemented as a group. My task was to predict the amount of consumption of some goods based on the amount of consumption of the same goods in the past months. For this prediction, different algorithms such as knn and Random forest were used, but the VARIMA algorithm gave the best result. Because VARIMA could use the correlation of consumption of goods in the past months to predict the next month

Smart home design with speech recognition and IOT

For: Professor Iman Sharifi

May 2021

In this project I developed a simple platform where users can send voice commands to a server that is implemented on a Raspberry Pi by connecting to the internal network of the home through a smartphone. This server is started by Flask. This voice command is processed by a neural network that uses 1-D convolution layers and Fully Connected layers and sends the result of this command to the STM-32 board to execute it. This STM-32 board also has a Wi-Fi module and is connected to the internal network. the neural network is implemented using Tensorflow.

Adaptive multi-task control using Adaptive Resonance Theory (ART) and Reinforcement Learning

For: B.S Project