Omar Al-Obaidy
ECE Engineer

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Baghdad, Iraq 📍

Open-minded person, captured by all sides of life and interested in intellectual challenges. The diversity in my personality exposed me to a wide range of values and equibed me with knowledge and intellect.

EDUCATION

Bachelor's Degree in Electronics and Communication Engineering
University of Baghdad - College of Engineering

10/2017 - 07/2022

Graduation Project

- Iraqi License Plate Number detection and classification based on YOLO
- Cost Efficient True Random Number Generator with Simple White Noise Generator

PERSONAL PROJECTS

Visual Information Processing (10/2020 - Present)
- This project aimed to define the mathematical and algorithmic design of the Vision guided by humans and other living organisms Visual systems and cognitive capabilities and acquisitions, some practical development has been done using multiple analysis tools and languages (Wolfram Language, MATLAB, Python) to extend the understanding of a life long question.

Mobile/Web App Development (07/2022 - Present)
- I've sharpened my Full Stack development carrier and put my knowledge to work by developing apps that contains both a well-designed frontend with a solid backend side.

Computational Complexity Understanding (01/2016 - Present)
- This work introduced me to an area of mathematics and computer science that is fundamental to understanding information and computation, I developed multiple ideas revolving around the ultimate Compression Machinery and Data Reducibility.

Stock Trading Bots (10/2020 - Present)
- This work allowed me to apply multiple skills of mine to the real world, to take smart and intelligent decisions and to serve a purpose on their own. Integration notification of work operations through Telegram, for remote monitoring.

Educational Projects (01/2021 - 06/2022)
- I guided multiple educational projects covering many topics and areas, and developed matlab standalone apps for homes energy monitering and arm control interface and simulation data generation.

WORK EXPERIENCE

Electronics Technician
Barq Al-Diar

01/2018 - 09/2020   *Baghdad*

Achievements/Tasks

- Assembling and soldering electronic components
- Improving production by studying and applying build and test applications
- Work under pressure with reliability and accountability

SKILLS

Skill	Level
Programming with (Matlab, Python, C/C++,Dart, Wolfram Language, etc)	●●●○○
Algorithm Design and mathematical modeling	●●●●○
Artificial Intelligence	●●●○○
Machine learning both in Reinforcement learning and Supervised/Unsupervised learning	●●●○○
Flutter	●●●○○
Django/APIs deployment (REST, Websocket, Fix)	●●○○○
Firebase/MySQL	●●○○○
Stock market analysis and trading bots	●●●○○
Problem Solving	●●●●○

LANGUAGES

Arabic
Native or Bilingual Proficiency

English
Full Professional Proficiency

Turkish
Elementary Proficiency

INTERESTS

Economics | Politics | Neuro/Cognitive Science

Engineering | Poetry | Traveling | Religion

Music | Consciousness | Writing