Samer Mohamed zaid

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Career Objective

A highly motivated AI and Embedded Engineer seeking an entry-level position where I can apply my technical and problem-solving skills. I desire to work in an innovative environment where I can contribute to cutting-edge projects and continue to develop my expertise.

Education

Bachelor's Degree in Artificial Intelligence — Faculty of Artificial Intelligence, Delta University
Expected Graduation: 2026 | GPA: 3.2

Courses

Robotics — Smart Technology | 15 Feb 2024

Smart Home and IoT — Smart Technology | 26 Sep 2024

Machine learning – Mansoura university |Aug 2022

Skills

Soft Skills

- Self-motivated
- Communication
- Adaptability
- Curiosity and Continuous Learning

Technical Skills

- C#, C++
- java
- python
- Machine Learning
- Deep Learning
- NlP
- Computer vision
- Arduino ,Esp 32,Esp8266

Language Skills

- English
- Arabic

Projects

- Mental Health Chatbot

Tools/Technologies: AI, NLP
Developed a chatbot to provide mental health support and resources.

- Plant Disease Detection

Tools/Technologies: Computer Vision, AI
Built a system to detect and classify plant diseases using image processing techniques.

- Smart Health Care System based on Generative AI

Tools/Technologies: Generative AI
Designed a healthcare support system leveraging generative AI models for diagnostic assistance.

Traffic-Light-system , LED-Click-Counter , Arduino-LED-Brightness , Arduino-LED-Control-with-Switches , DC-Motors-Potentiometers-speed-control, 2WD-Robot-RC

Smart Home Automation

"Designed a smart home system with ESP32 to remotely control lights, fans, and AC via mobile app or Google Assistant."

Weather Station

"Developed an IoT weather station using DHT22 and BMP280 sensors to monitor temperature, humidity, and pressure in real-time."

Smart Agriculture System

"Implemented an automated irrigation system using soil moisture sensors and ESP32 with cloud monitoring via Blynk."

IoT Smart Door Lock with Fingerprint

"Created a secure smart door lock with ESP32 and fingerprint sensor, integrated with Firebase for real-time access logging."

IoT Car Parking System

"Designed a smart parking system with ESP32 and ultrasonic sensors to detect available spaces and update cloud dashboard."

IoT Fire & Gas Detection System

"Created a fire and gas detection system using flame and MQ2 sensors with ESP32 for instant notifications and alarms."

Extracurricular Activities

- Head of Circle Graphic Designer — Team AI Pioneers

- Media Head — Team BioCode