

Ahmed Mohamed Anwar

Undergraduate Electrical Power Engineer

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🌐 AhmedMohamedAnwar

Profile Summary

A fourth-year electrical engineering student, very passionate about software engineering and the cloud field. I'm constantly seeking to expand my knowledge and explore new concepts in these areas to stay at the forefront of innovation.

Education

Electrical Power Engineering Department, Faculty of Engineering, Alexandria University

2020 – 2025

CGPA: 3.55

- Gaining knowledge of algorithms, data structures, and software development concepts in computer science.

Experience

Siemens Energy (Electrical Maintenance Intern at Burullus power plant)

17 Jul - 17 Sep 2024

- Participated in comprehensive cloud computing courses via Siemens' learning platforms.
- Collaborated with SE Learning to gain practical insights into IT support operations.
- Attended IT- focused lectures delivered by industry professionals, enhancing understanding of technology integration in industrial environments.

Technical Skills

- **Languages:** C, Python, MATLAB, SQL, HTML, CSS
- **Tools:** Simulink, Microsoft office, ROS, Linux, Visual Studio, AWS (Cloud Computing Platform)

Projects

- **Auto Park-Pilot Assist**

- Developed a PID controller in Python for Pilot Assist to maintain separation.
- Implemented Park area detection using OpenCV.
- Utilized Ignition Gazebo for simulation.

Made with Raspberry Pi, ESP-32, ultrasonic, and IMU sensors. Software components included Python, ROS, OpenCV, C, and Ignition Gazebo.

- **Controlling speed of motor**

- Used 8051 microcontroller with assembly language to control speed of motor.

- **GUI-Based-Serial-Link-Kinematics-Solver**

- Simulating the possible movements of robot arm in MATLAB.
- Developed MATLAB app using App Designer to tackle robot kinematics

Courses

PCB Design, Robotics, Mechatronics, Linux Essentials, Network Security, Managing AWS Costs, CCNA, Algorithms, OOP

Certificates

- **AWS Cloud practitioner**

General Information

Date Of Birth: 6, March 2003

Nationality: Egyptian

Languages: Arabic Native language, English Fluent