SHEHAB ELDEEN AHMED GABER

Alexandria, Egypt

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Education

Alexandria University   **Sep. 2021 – May 2026**
Third year Electronics and Communication Engineering Undergraduate   *Alexandria, Egypt*
CGPA: 3.52

Experience

Mind Cloud Robotics   **October 2022 – Present**
Vice Chairman and Software Engineer   *Alexandria University, Egypt*
- Joined MindCloud as a Software Member in the Autonomous Navigation Subteam, responsible for building a comprehensive navigation system integrating GPS, IMU, LIDAR, and encoder sensors using ROS.
- Achieved third place at UGVC2023 competition.
- Promoted to Software Mentor, leading the development of new systems and enhancements to existing projects.
- Achieved second place at UGVC2024 competition and promoted to Vice Chairman, leading the team to further successes and achievements.

National Telecommunication Institute (NTI)   **Aug. 2024 – Sep. 2024**
AWS Cloud Internship Trainee   *Alexandria, Egypt*
- Completed an intensive one-month program, gaining expertise in key concepts and practical applications of AWS Cloud.

Digital Egypt Pioneers Initiative (DEPI)   **Oct. 2024 – Present**
DevOps Trainee   *Alexandria, Egypt*
- Joined the DevOps Engineer program, acquiring real-world experience and hands-on skills in DevOps Engineering.

Projects

Front-End App Deployment Project | *Docker, Jenkins*   **2024**
- Developed an automated deployment pipeline for a Node.js front-end application using Jenkins and Docker.

A complete Autonomous Navigation System | *Python, OOP, ROS, IMU, LIDAR, Encoder, GPS*   **2023**
- Developed a multipoint obstacle avoidance autonomous navigation system on a ground rover using ROS and IMU, LIDAR, Encoder and GPS sensors at MINDCLOUD Robotics.

C problem solving | *C*   **2023**
- Solved UVA problems using C language.

Flutter Application to control an RGB | *flutter, ESP8266*   **2024**
- Created a flutter application using Dart and VS code including a brightness bar and buttons for controlling the color.
- Linked the ESP8266 code with my flutter app using the ESP WIFI module and ran the app on the web and the mobile successfully.

Matlab Projects | *Matlab, appdesigner*   **2024**
- Developed numerous MATLAB labs and projects, including a signal generator, sound communication system, and a power systems project with a GUI.

Awards and Certificates

AWS Certified Cloud Practitioner   **Oct. 2024**
Amazon Web Services (AWS)

Second place UGVC achiever   **July 2024**
Military Technical College   *Cairo, Egypt*

Third place UGVC achiever   **July 2023**
Military Technical College   *Cairo, Egypt*

ETISAL/SIEMENS Automotive Internship   **2023**
ETISAL/SIEMENS   *Alexandria, Egypt*

ZEWAIL AI training   **2023**
ZEWAIL CITY   *Cairo, Egypt*

WEPCO Summer Training   **2023**
WEPCO   *Alexandria, Egypt*

Technical Skills

Languages: Python, C, C++, Dart, VHDL, Matlab, OOP, Data structures, Algorithms
Technologies/Frameworks: Linux, Docker, Terraform, Jenkins, CI/CD, ROS, GitHub, AWS

Organizations

Mind Utopia   **2023**
Training and Development Staff Member   *Alexandria University*
- Enhanced communication, presentation, and leadership skills.
- Led a team to mentor and train in presentation technique

SMU   **2023 – Present**
Projects and Planning committee Staff Member   *Alexandria University*
- Actively engaged in preparing and delivering professional presentations.
- Participated and prepared for various university events

IEEE SSCS   **2023 – Present**
Public Relations Staff Member   *Alexandria University*
- Trained in PR with skills in creating and negotiating professional proposals.
- Trained in conducting effective negotiations and closing successful business deals.

Languages

Arabic: Native
English: High professional fluency