

SHEHAB ELDEEN AHMED GABER

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🌐 [Shehab Ahmed](#)

🔗 [shehab-19](#)

Education

Alexandria University

Second year Electronics and Communication Engineering

CGPA: 3.57

Sep. 2021 – May 2026

Alexandria, Egypt

Experience

MindCloud Robotics

Software Engineer

October 2022 – Present

Alexandria, 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.

Projects

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

Third place UGVC achiever

Military Technical College

July 2023

Cairo, Egypt

ETISAL/SIEMENS Automotive Internship

ETISAL/SIEMENS

2023

Alexandria, Egypt

ZEWAIL AI training

ZEWAIL CITY

2023

Cairo, Egypt

WEPCO Summer Training

WEPCO

2023

Alexandria, Egypt

Technical Skills

Languages: Python, C, C++, Dart, VHDL, Matlab, OOP, Data structures, Algorithms

Technologies/Frameworks: Linux, ROS, GitHub

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