




Shehab Eldeen Ahmed Gaber


Electronics and
communication
Undergraduate




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 19th February 2004

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CGPA 3.57

PROFILE

Enthusiastic electronics and communication undergraduate working at MindCloud robotics team as a Navigation Mentor. Interested in DevOps, networks, and leveraging emerging technologies to drive innovation.

LANGUAGES

English

Arabic

French



EDUCATION

**Electronics and Communicaton Engineering,
Alexandria University CGPA 3.57**

2021 – 2026 | Alexandria, Egypt

Key Courses: Circuits Analysis, Solid State Devices, Electronics I, Electronics II, C Programming

Key Skills: VHDL, Quartus, ModelSim, LabVIEW, LATEX, Python, C, Proteus, ElecNet, AutoCAD, Dialux, STK, PSpice, Multisim, TinkerCAD.


PROJECTS

A complete autonomous system 

Used GPS, IMU, LIDAR and Encoder sensors to develop a three point obstacle avoidance system on a rover

Matlab projects 

Matlab signal generator and multiple labs

C problem solving 

VHDL Digital Stopwatch 

AWARDS

3rd Place UGVC achiever, Military Technical College 

July 2023

PUBLICATIONS

Heterojunction_BJT Article, Unpublished Article 

2023 | Alexandria, Egypt

Researched and co-authored a detailed paper with my team on Heterojunction Bipolar Junction Transistors (BJTs), delving into their operational characteristics, applications, numerical evaluation, and structural composition. Explored the behavior and practical applications of heterojunction BJTs, emphasizing their structural and numerical evaluation.

PROFESSIONAL EXPERIENCE

MindCloud robotics,
Navigation Software Mentor [!\[\]\(529949c2c3dadbaa4e538e8c643454bc_img.jpg\)](#)

October 2022 – present

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.

CERTIFICATES

- ZEWAIL AI training [!\[\]\(815df092dd722ee9268ef8e6d0193e3a_img.jpg\)](#)
- Etisla_Siemens Automotive [!\[\]\(c72edb9626cad660f3a9f5fb0f22a68c_img.jpg\)](#)
- WEPCO summer training [!\[\]\(0c564128c6342bd2f601e97f4518828a_img.jpg\)](#)

ORGANIZATIONS

Mind Utopia, Training and Development Staff member [!\[\]\(de95854c7ee024cfadc48187bbb781b2_img.jpg\)](#)

2023 | Alexandria, Egypt

Enhanced communication, presentation, and leadership skills, then led a team to mentor and train in presentation techniques [!\[\]\(6059a5aa8b4ca7bb793408023d6c6e42_img.jpg\)](#)