

Mohamed Tarek Abdelhady

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OBJECTIVE

Communications Engineering student (4rd year) with focus on embedded systems, control systems(Classic Control , PLC), PCB design, and hardware development. Active IEEE and GDSC member.

EDUCATION

- Bachelor's Degree in Communications Engineering
University: Higher Institute of Engineering and Technology in Manzala
Expected Graduation: 2026
- Relevant Skills: Arduino, C/C++ Programming, Python, Control Systems, Electronics, PCB Design.

INTERNSHIPS

• 3M Company

Internship Duration: 160 hours, *Start Date:* August 1, 2024

• Petrobel (Belayim Petroleum Company)

Internship Duration: 56 hours, *Start Date:* July 12, 2025

• HA (HASSAN ALI CONSULTING GROUP)

Internship Duration: 140 hours, *Start Date:* August 13, 2025

EXPERIENCE

• PROFESSIONAL TRAINING (offline)

- Classic Control, PLC, Motor Drive & Panel Building 140 hours, 13/8/2025
- CCNA (Cisco Certified Network Associate): 24 hours, 20/7/2024
- Python & Machine Learning: 24 hours, 14/6/2025
- Web Developer by WordPress: 24 hours, 14/6/2025

• PROFESSIONAL DEVELOPMENT (online)

- Information Security: 2 hours, 25/7/2023
- Python: 30 hours, 13/7/2022
- Printed Circuit Board (PCB) Design: 6 hours, 30/7/2022
- Arduino IDE: 90 hours, 12/5/2021

• PROFESSIONAL CERTIFICATE

- Linux Operating System: 20/8/2024 – 11/9/2024
- Home Automation Training: 1/7/2024 – 11/8/2024
- Network Fundamentals L1: 1/7/2023 – 15/7/2023
- Web Developer L1: 1/7/2023 – 15/7/2023
- Google Digital Marketing: 20/8/2022 – 5/9/2022

SKILLS

• Technical Skills

- Programming Languages: C, C++, Python , Ladder Diagram
- Development Tools: Git, GitHub, Visual Studio, Arduino IDE.
- Simulation Software: Multisim , Proteus ,Fritzing , TinkerCAD , Matlab , EKTS , CAD_SIMU , Tiabortal.
- PCB Design: Altium Designer , PCB Toolkit , FreeCAD
- Others: Digital Electronics, Circuit Design , Windows OS , Microsoft Office , Digital Marketing

• Soft Skills

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|-----------------|--------------------------|
| - Creativity | - Technical leadership |
| - Commitment | - Self-motivation |
| - Initiative | - Working under pressure |
| - Team building | - Problem solving |

MEMBERSHIP

- Member – IEEE (Institute of Electrical and Electronics Engineers)
- Member – Technical Team Member – GDSC Manzala

PROJECTS

- Self-Directed Shower Tray Project – Designed a smart tray solution for mobile environments using satellite signal tracking.
- Smart Assistive Glasses – Wearable tech for the visually impaired using ultrasonic sensors and haptic feedback.
- RFID and Person Counter – Room monitoring using RFID cards and ultrasonic sensors for smart lighting and attendance.
- Bluetooth-Based Smart Home Controller – Arduino system to control devices via Bluetooth commands.

LANGUAGES

- Arabic: Native
- English: C1 (Advanced)
- French: A1 (Beginner)

PERSONAL INFORMATION

- Date of Birth: 22 May 2003

- Nationality: Egyptian