

# Abdel-Rhman Adel Abdel-Samii

## ECE Student

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## About Me

*An ambitious, multitasking Electronics and Communication Engineer eager to deepen my expertise in modern technologies and real-world applications across embedded systems, cloud computing, and IoT.*

## Education

Misr International University (MIU) | Cairo, Egypt | Sep 2021 – July 2026

*Bachelor of Science in Electronics and Communication Engineering*

GPA: 3.09

## Projects

Smart Home Automation System | Embedded C, AVR, ADC, PWM

- *Integrated logic-driven control for fan and light systems based on sensor data.*

Maze Solving Robot (Logic Simulation) | Digital Logic, Electronics

- *Logic-gate-based robot algorithm simulated in hardware logic gates.*

Door Locker Security System | Embedded C, AVR, UART, I2C, EEPROM

- *Software-controlled system for door locking using user-defined passwords.*

## Technical Skills

Languages: C++, C, Embedded C, MATLAB

Software & Frameworks: AUTOSAR

DevOps: Git/GitHub (Cloud, CI/CD, Linux in progress)

Tools: VS Code, Eclipse, Code Composer, Proteus, Multisim, KiCad

Operating Systems: Linux (DevOps & Embedded focus), Windows

## Certifications

- |                                  |                    |
|----------------------------------|--------------------|
| - System Programming in Linux    | - Udemy (May 2025) |
| - Standard Embedded Diploma      | - Edges (2024)     |
| - ARM Architecture Course        | - Edges (2024)     |
| - AUTOSAR Software Design Course | - Edges (2024)     |