

Basmala Mohammed Abd El Mawgood Abd El Lattif

October, Giza | 01006571316 | basmala.muhammad.habib@gmail.com

LinkedIn: [linkedin.com/in/basmala-muhammad-4336b4254](https://www.linkedin.com/in/basmala-muhammad-4336b4254)

Objective

Final-year Electronics and Communications Engineering student at Mansoura University with a strong academic foundation. Seeking a summer internship to develop hands-on technical skills in a dynamic and professional environment.

Education

B.Sc. in Electronics and Communications Engineering

Faculty of Engineering, Mansoura University (2021 - 2026 Expected)

Grade: Very Good

Technical Skills

- Microsoft Office (Word, Excel, PowerPoint)
- Programming: C, Python, MATLAB
- Arduino Programming
- Circuit Design using Proteus / Tinkercad
- Schematic & PCB Design (EasyEDA or Fritzing)
- Basics of Digital & Analog Communication
- Data Analysis Basics
- Simulation tools: MATLAB, Multisim

Soft Skills

- Teamwork and collaboration
- Problem solving
- Communication and presentation skills
- Time management
- Critical thinking

Programming Languages

- C
- Python
- MATLAB

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Projects

- Line Follower Robot using Arduino - IR-based line tracking
- Smart Home System using Arduino & Sensors - Motion & temperature control
- Digital Communication Simulation using MATLAB - BPSK & QPSK techniques
- Buck Converter Circuit Design - Step-down voltage regulator
- Temperature Monitoring System - LM35 sensor + LCD using Arduino
- Obstacle Avoidance Robot - Ultrasonic sensor-based navigation
- Voice-Controlled Home Automation - Smartphone + Bluetooth + Arduino
- Wireless Data Transmission - RF modules (433MHz)
- Image Processing using MATLAB - Color conversion & edge detection

Languages

- Arabic: Native
- English: Excellent

