

# NOURA MAHER

## COMPUTER SCIENCE STUDENT

---

Banha City, Qalyubia | [nouramaher100@gmail.com](mailto:nouramaher100@gmail.com) | 01153285036

Personal Website: <https://nouramaher.github.io/NourravProtfolio/>

LinkedIn: <https://www.linkedin.com/in/nouramaher/>

Github: <https://github.com/NouraMaher>

### SUMMARY

---

I'm a student at the Faculty of Computers and Information at the Egyptian Chinese University, passionate about web development, data analysis, and modern technologies. I actively enhance my technical skills through hands-on coding, building real-world projects, and earning specialized certifications. I'm seeking an internship opportunity to contribute to impactful projects, refine my technical and interpersonal abilities, and deliver innovative software solutions.

### EDUCATION

---

#### Faculty of Computers and Information | Egyptian Chinese University

##### Academic Projects

**Oct 2024 - Expected Jun 2028**

- Home Protection System.

Developed a smart home protection system using Arduino and ESP32 for real-time fire and gas leak detection, featuring sound/light alarms and email alerts via Wi-Fi. My role involved logistics support and building Proteus simulations for early testing, which enhanced my understanding of system design.

- Maza Rebot.

A robot project using Arduino and three ultrasonic sensors to detect and avoid obstacles in a maze, guided by a smart algorithm. My primary contribution was designing the maze layouts with Canva to define dimensions and element placement.

- Logic Calculator.

A Logic Calculator project developed with Arduino for Digital Logic Design, offering multi-mode functionality for precise calculations. My contribution involved organizational support and early system testing via Wokwi simulation to validate the design.

- The Eatify Restaurant System.

is a C++ project streamlining restaurant operations (orders, reservations, billing) via console, web, and GUI. It uses OOP for modularity and features include menu management and sales reports.

### INDEPENDENT PROJECTS

---

- NourravProtfolio:

- I designed and developed this personal website to showcase my information and skills, marking my first venture into web development. The site was built entirely using HTML and CSS, with all code written efficiently in Visual Studio Code. My focus was on creating a clean and attractive design that ensures easy navigation, along with a simple and effective user interface that enhances the overall user experience.

Project Link: <https://nouramaher.github.io/NourravProtfolio/>

## TECHNICAL SKILLS

---

- Programming Languages: C/C++, Python
- Web Development: HTML, CSS
- Databases: SQL
- Development Tools: VS Code
- Programming Concepts: Object-Oriented Programming (OOP)

## COURSES & CERTIFICATIONS

---

- C++ Programming:
  - Introduction to C++ - Sololearn
  - C++ Intermediate - Sololearn
  - C++ Programming - Saylor Academy
  - Object-Oriented Programming (OOP) Using C++ - Mahara Tech
- Python Programming:
  - Introduction to Python - Edraak
  - Introduction to Python - Saylor Academy
  - Introduction to Python - Sololearn
  - Python Programming Basics - Mahara Tech
  - Python Intermediate - Sololearn
- Web Development:
  - HTML - Cursa
  - HTML & CSS - Mahara Tech
  - Introduction to CSS - Sololearn
- Databases:
  - Database Fundamentals - Mahara Tech
  - Database Systems with SQL - Appficial
- C# Programming:
  - C# Intermediate - Sololearn
  - Introduction to C# - Sololearn
- Computer Science & Algorithms:
  - Introduction to Computer Science by FreeCodeCamp
  - Algorithms & Problem-Solving Level 1 - ProgrammingAdvices
- Other Relevant Courses:
  - AI for Beginners - HP Life
  - Internet of Things - Edraak
  - Game Design - Edraak

## ADDITIONAL INFORMATION

---

- **Languages:** English, Arabic
- **General Skills :**
  - Microsoft Office
  - Teamwork
  - Research Skills
  - Presentation Skills
  - Time Management