

# NOURA MAHER

## COMPUTER SCIENCE STUDENT

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### SUMMARY

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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

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#### 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.

### TECHNICAL SKILLS

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

## COURSES & CERTIFICATIONS

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- C++ Programming:
  - Introduction to C++ - Sololearn
  - C++ Intermediate - Sololearn
  - C++ Programming - Saylor Academy
  - Object-Oriented Programming (OOP) Using C++ - Sololearn
- 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
- Other Relevant Courses:
  - AI for Beginners - HP Life
  - Database Fundamentals - Mahara Tech

## ADDITIONAL INFORMATION

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