Mohamed Ahmed Mounir

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PROFESSIONAL SUMMARY

Second-year BSc Computer Science student specialising in Cybersecurity & Networks at the University of Hertfordshire, with hands-on experience building full-stack web applications, database systems, and low-level hardware simulations. Proven ability to deliver complete projects independently from requirements through to deployment. Actively seeking a placement or internship in software development, web engineering, or cybersecurity.

EDUCATION

University of Hertfordshire | **(School of Physics, Engineering and Computer Science)** BSc Computer Science — Cybersecurity & Networks Sep 2024 – Jun 2028

The Continental School of Cairo | IGCSE Sep 2011 – Jun 2024

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, HTML, CSS, C
Frameworks: Flask (Python), Bootstrap. Next JS
Databases: Oracle SQL, SQLite — relational design, ERDs, normalisation
Security & Networking: Network protocols, cybersecurity fundamentals (coursework), Linux basics
Tools: Git, GitHub, Logisim, Microsoft Office
Concepts: OOP, Data Structures, REST API design, MVC architecture, Clean Code

PROJECTS

Velocity Motors — Full-Stack Web App — Python · Flask · JavaScript · SQL

- Built a production-style full-stack car dealership platform with customer-facing car browsing, a live booking system, and a contact form
- Engineered a Flask backend with full routing, database integration (CRUD), and request handling following MVC architecture principles
- Developed a custom admin panel to manage car inventory, bookings, and customer messages in real time

Home Automation System — Python · OOP

- Designed and built a console-based home automation system applying inheritance, polymorphism, and encapsulation

- Implemented multi-user management, smart device control, and automated task scheduling across modular class hierarchies

Phish Guard-AI
- Developed an AI-based phishing detection project focused on cybersecurity awareness
- Applied machine learning concepts to identify phishing patterns and suspicious activity

MedAI — AI Disease Prediction System
- Built an AI-powered disease prediction application using Python, Flask, and Scikit-learn
- Integrated machine learning models for symptom-based predictions

Hospital Database — Oracle SQL · Database Design
- Designed a normalised relational schema (3NF) with full ERD documentation for a multi-department hospital system
- Wrote complex SQL queries including multi-table JOINs, subqueries, aggregate functions, and stored procedures

PROFESSIONAL EXPERIENCE

Fiverr & Upwork | Freelance Web Developer Mar 2026 – Present
- Delivered client websites with responsive design, custom UI components, and client-specified functionality using HTML, CSS, and JavaScript
- Managed full project lifecycle independently — from requirements and scoping through to delivery and client feedback

Private Tutoring | IGCSE Physics Teacher Assistant Sep 2023 – Jun 2025
- Supported students with physics problem-solving; assisted with grading and provided structured written feedback

Leadership and Extracurricular Activities

University of Hertfordshire | Student Union — Corporate Relations Member Sep 2025 – Present
- Secured external partnerships and sponsorships for university events, negotiating with corporate stakeholders

University of Hertfordshire | Student Ambassador Sep 2025 – Present
- Represented the university at official events including engagements with VIP guests; led outreach and awareness initiatives

ACHIEVEMENTS

- 1st Place — RoboCup Egypt 2019 (Team Leader: led strategy, task allocation, and robot programming)
- Judges' Award — Smart X Competition (Top 5 Overall from national field of competitors)
- Multiple Medals — National Swimming Championships