

Magdy Ibrahim

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PROFILE

Self-motivated and enthusiastic Computer Science student with a strong foundation in software development, problem-solving, and system design. Experienced in building web applications, desktop systems, and basic machine learning projects. A fast learner and team player who thrives in dynamic environments and is eager to contribute to innovative tech solutions.

EDUCATION

Bachelor of Information Technology

Faculty of Computers and Artificial Intelligence – Cairo University

Oct 2021 – Present | Expected Graduation: June 2025

TECHNICAL SKILLS

- **Languages:** Python, Java, C++, C#, JavaScript.
 - **Web Development:** HTML5, CSS3, JavaScript, Django, PHP, Bootstrap.
 - **Databases:** MySQL, SQL.
 - **Tools & Frameworks:** Git, OpenCV, Scapy, Django, Flask, Visual Studio Code.
 - **Concepts:** OOP, Software Debugging, Data Structures.
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PROJECTS

Job Search Website – Django, HTML, CSS, JS

Designed a web application for job seekers and company admins to post, manage, and apply for jobs.

Signature & Anomaly -Based Intrusion Detection System “HAWKEYE” – Python, Snort, Flask

Built a basic signature & Anomaly-based IDS using Scapy and Snort rules as part of graduation project, ML Algorithms for Anomaly detection and Flask for the Web Dashboard.

Entertainments Website – HTML, CSS, JavaScript, Bootstrap

Developed and maintained a responsive web application showcasing movies and series content. Implemented interactive UI components, ensured mobile compatibility, and used Bootstrap for layout and styling.

Tourism Website ("Travilista") – PHP, HTML, CSS, JS

Developed a static website for tourism information using responsive web design.

Train Booking System – C#, SQL

Developed a GUI-based desktop system to search, reserve, and cancel train tickets with admin controls.

Hand Detection Projects – Python, OpenCV, MediaPipe

Built tools to control system brightness and volume using real-time hand gesture detection.

Image Classification (COVID-19 Dataset) – Python, t-SNE, PSO

Implemented classical ML techniques for image classification using handcrafted features.

Toffee Store System – Java

Created a market simulation system with product and user management features.

Certifications & Courses

- **CCNA v7: Introduction to Networks** – Cisco Networking Academy.
- **CCNA v7: Switching, Routing and Wireless Essentials** – Cisco.
- **HCIA: Artificial Intelligence** – Huawei.
- **HCIA-Security Track: Egyptian Talent Academy** – NTI/Huawei.

Volunteering & Activities

- **SCCI App Splash Workshop – Delegate (2021–2022).**
- **SBS Programming Council – Delegate (2024).**