ADHAM HISHAM

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Education

German International University	**Sep. 2022 – June 2026**
Bachelor of Science in Computer Science	*New Administrative Capital, Egypt*
Majoring in Cyber Security	IGCSE Student: Achieved 94.5%

Java - JavaScript - Python

2.75 German scale GPA

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, Kotlin, SQL/noSQL ,C-Sharp, Mips, TypeScript, LaTex

Developer Tools: VS Code, Google colab, Intellij, CLion, Visual Studio, Android Studio, MongoDB compass/atlas, Postman, Unity 3D, Git and Github, Slack, Power BI, Burp Suite, WireShark, Linux, FTK Imager, Active Disk Editor

Technologies/Frameworks: NodeJs, ReactJs, Express, NextJs, NestJs, MongoDB, ASP.net, MSSQL server

Relevant Courses: Data Structures and Algorithms, Distributed Systems, Database Management Systems, Operating Systems, Software Engineering, Web Development, Digital Logic Design, Networks, Computer Architecture, Theoretical Computer Science, Data Engineering and Visualization, Prompt Engineering and Requirements Engineering

Major Courses: Cryptography, Digital Forensics, Software Security and Penetration Testing

Professional Experience

Teaching Assistant, Junior, German International University   September 2023 - June 2024
Supported teaching assistants in Database courses.

Projects

Last of Us:Legacy | *Java, JavaFX*   **May 2023**
- Developed a 2D survival game based on the infamous The Last of Us.
- Implemented a 15x15 cell map with different kinds of Heroes and Zombies and implemented object-oriented programming practices such as inheritance, encapsulation, polymorphism, and abstraction features in the implementation.
- Used JavaFx to develop the GUI.

Home-Sync website | *C-sharp, HTML/CSS, Asp.net, MSSQL*   **November 2023**
- Created a Home-sync website using C-sharp and ASP.NET that simulates a smart-home system.
- Implemented user roles such as admin and guest, each with their own functions.
- Used HTML/CSS to develop the website and utilized ASP.NET with C-sharp for the backend and connection.
- Used MSSQL to store and manage user data, smart home device information, and other relevant system data.

Chatting program | *Java*   **March 2023**
- Designed a chatting program using Java, basic networking skills, and socket programming.

Porsche Website | *HTML, CSS, JavaScript, MERN stack*   **May 2024**
- Developed a comprehensive website for selling Porsche cars as part of an 8-member team.
- Implemented both user and admin functionalities, including a home page, registration page, and various other sections.
- Utilized HTML, CSS, and JavaScript for the front-end development.
- Employed Node.js, Express.js, React.js and MongoDB for the back-end, following the MERN stack framework and tested by MongoDB compass/atlas and postman.
- Collaborated on middleware development and ensured smooth integration of all components.

Augmented Reality (Tressure Hunt) Game | *C#, Unity 3D, Latex, HTML/CSS*   **May 2024**
- Led the technical team in designing and implementing an interactive Augmented Reality (AR) mirror for a card game.
- Developed the AR mirror interface in Unity 3D, enabling dynamic interactions with game cards using cartoons.
- Utilized C-Sharp for scripting to ensure smooth and responsive user interactions.
- Authored the project report using LaTeX.
- Built a simple website for project introduction using HTML/CSS as an additional feature.

Achievements/Extracurricular Activity

- Solved 50+ Problem Solving problems in LeetCode
- Active member of the Cyber Security Club, participating in multiple CTF (Capture The Flag) competitions.
- Volunteered as a mentor in the GIU Coding Camp, helping freshmen learn Python and Java.
- Languages Spoken: English, Arabic, German B1