Mazen Essam Eldin Helmy

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EDUCATION

Ain Shams University   Cairo,Egypt
Faculty of Engineering — Major: Computer Science Engineering CSE | GPA 3.47   *Aug. 2020 – Present*

PROJECTS

Amazon - E-commerce Website | *HTML, CSS, JS, Git*   July 2024
GitHub Link

- This project is a simplified version of the Amazon website, an e-commerce website built using HTML, CSS, JS.
- It allows users to browse a variety of items , place orders, and track their order status.r
- The website is fully responsive, ensuring a seamless experience across all devices

E-Commerce Database | *PHPMyAdmin, MySQL, Relational Database, EER Diagram*   April 2024 – May 2024
- Designed EER Diagram and then converted it to Relational Schema
- Developed the Database using MySQL

CPU Scheduler Using Java | *Java, FXML, OOP, GitHub*   March 2024 – April 2024
GitHub Link

- Created a GUI that simulates the work of the CPU processes schedule including
- Implemented SJF Scheduler, FIFO Scheduler, Priority Scheduler
- Integrated a real-time scheduler display, allowing live tracking of processes and seamless addition of new tasks; enhanced operational transparency and efficiency, reducing scheduling errors
- Visualized GitHub data to show collaboration

Simple Snake Game | *Python, Turtle Module*   April 2023 – May 2023
GitHub Link

- The game simply consists of a snake moving around and eating food
- When the snake manages to eat the snake become longer making the game harder
- if the snake collides with itself or the walls the game ends

CERTIFICATES

UX Fundmentals: (MaharaTech) Certificate Link
Database Fundamentals: (MaharaTech) Certificate Link
Turtle Module in Python: (Almentor) Certificate Link
Advanced Machine Learning Algorithms: (DeepLearning.AI) Certificate Link
Supervised Machine Learning: (DeepLearning.AI) Certificate Link
Web Development Challenger: (UDACITY) Certificate Link

EXTRACURRICULAR ACTIVITY

Vice President | *Aviation Club Student Activity in AinShams University*   July 2023 – July 2024
- Leading and managing the Activity by setting the vision and goals for the group, coordinating activities and events, and overseeing the execution of plans. ensuring effective communication within the team, delegating tasks, and fosters a positive and inclusive environment to engage and motivate members.

Head IT | *Aviation Club Student Activity in AinShams University*   July 2022 – June 2023
- Responsible for all the club's Websites, Forms, and Databases.
- Instructing members on utilizing Web programs to create websites and forms, fostering their skills . Through hands-on training, enabling them to produce high-quality promotional materials for club activities.

German Teacher Assistant   July 2022 – July 2024
- Responsible for explaining some points in the curriculum for students and correcting their quizzes and exams

Technical Skills

Programming Languages: JavaScript,Java, Python, C/C++, SQL
Front-End: HTML, CSS, React JS
Mobile Development: React Native
Developer Tools: FireBase, Git, VS Code, Visual Studio, IntelliJ, Photoshop, MS Office Tools
Libraries: pandas, NumPy

Soft Skills

Presentation
Time Management
Commitment
Communication
Problem-solving

Languages

Arabic: (Native Language)
English: B2
German: A2