Aisha Suhail Khan

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EDUCATION

University Of Alberta   **Edmonton, Alberta**

Bachelor of Science in Computing Science (Specialization)   **Apr 2027**

WORK EXPERIENCE

Self-Employed   **Hybrid**

CS Tutor   **Mar 2023 - Present**

• Developed and delivered an engaging curriculum for introductory **MySQL with Python** connectivity, resulting in 95% student retention and an average final grade of 93%

• Utilized hands-on teaching methods to instruct Data Structures and Algorithms in **C++**, increasing student comprehension by 30% compared to previous semesters.

• Incorporated real-world examples and practical exercises into **JavaScript** lessons, significantly increasing student interest and engagement levels.

PROJECT EXPERIENCE

Bank Management System

MySQL and Python

• Developed a comprehensive Bank Management System using **MySQL and Python** connectivity, incorporating employee, user, loan, and admin tables to facilitate efficient data management and user interactions.

• Implemented CAPTCHA verification during the registration process to enhance security measures, preventing automated bot registration and ensuring the authenticity of user accounts.

• Integrated efficient search and retrieval functionalities, allowing users to quickly access their account details, loan information, and transaction history, improving overall user experience and convenience.

Rock, Paper, Scissors

Javascript, HTML/CSS

• Developed an interactive Rock Paper Scissors game using **JavaScript, HTML,** and **CSS**, providing an engaging user experience with a visually appealing user interface.

• Incorporated event listeners and **DOM manipulation** in JavaScript to enable user interactions, capturing player selections and updating the game state accordingly.

• Conducted rigorous testing and debugging to ensure accurate game logic and a smooth user experience, addressing any issues or bugs encountered during development.

Etch-A-Sketch

Javascript, HTML/CSS

• Utilized JavaScript to capture user input from mouse movements or touch events, enabling users to draw on the virtual canvas by moving the cursor or touching the screen.

• Leveraged the power of the Document Object Model (DOM) in JavaScript to dynamically manipulate and update the virtual canvas, allowing for real-time rendering of user interactions and ensuring a responsive and interactive Etch-a-Sketch experience.

• Created a virtual canvas using HTML and CSS, providing a grid-like structure where users can draw and create artwork.

HACKATHONS

GEMS Education   **2022**

1st Position in Programming Category - DIGIFEST

• Created a user-friendly and interactive First Aid Crisis Bot using **Python**, that provides step-by-step guidance for various first aid emergencies, empowering users to respond effectively and confidently in critical situations.

• Integrated geolocation services to enable the bot to identify the user's location and provide information about the nearest hospitals or medical facilities, enabling quick access to professional medical help.