Bilal Mustafa Sheikh

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Software Engineer

Tech-savvy, passionate, and solution-oriented software engineering currently pursuing bachelor's degree in computer science. Comprehensive experience of developing multiple applications and websites by using several advanced practical knowledge of programming languages and tools. . Proven ability to understand and analyse project requirements and translate into specifications and deliverables. Adept at Identifying and mitigating potential issues by deeply analysing and debugging code to ensure smooth website functions and operations. Ability to expand personal skills by continuously learning on new topics as well as practicing and enhancing programming knowledge via development of multiple website and applications Deeply knowledgeable in variety of computer languages/principles and techniques of website construction and maintenance. Vigilant at leading cross-functional developer teams in development of several projects.

Core Competencies

- Excel at comparing different scoring methods for squash sport by simulation.
- Capable of designing databases using UML diagram and the types of normalisations.
- Skilled at developing clean, efficient code, develop front end solutions with high performance and efficiency.
- Skilful at analysing data using Python and comparing means among two variables as well as provided recommendation established on the results.

Technical Proficiencies

Programming Languages: HTML, CSS, Java, JavaScript, Bootstrap, Swift, Python, SQL, MATLAB

Career Experience

Cardiff University, Cardiff   **Sept 2020 – Feb 2021**
Student Mentor

Enhanced knowledge regarding study-related matters and social life in Cardiff of team of nine students of first-years via effective mentorship.

- Fostered strategic relationships with the mentees and organising meetings to ensure timely resolution of arising potential issues to mentees.

Key Projects

Tic-tac-toe Game

- Leveraged advanced knowledge of python programming languages in development of tic-tac-toe game, whilst expanding personal programming skills.
- Added functionality to enable two users to play with each other users and also with computer bots computer using AI.
- Provided ability to user to option to continue playing at the end of each game.

Word Based Adventure Game

- Utilised python programming language to develop Adventure Game application.
- Maximised personal skills and knowledge on development of word-based game in python as well as utilization of functions from other python files, and writing code in functions and execution in main function to improve personal programming skills in python.

Portfolio Website

- Built website for portfolio for showcasing personal skills and capabilities.
- Improved website designing skills by designing and developing portfolio website by using multiple programming languages, including HMTL, CSS, JavaScript, and Bootstrap.
- Deployed website from local host to GitHub and linked GitHub with the domain.

Education

BSc - Computer Science with Security and Forensics | **Cardiff University, Cardiff, Sept 2019 – July 2023**
Modules:
Web Application Development | Database System Management | Problem solving with Python | Data Processing & Visualisation