BILAL MUSTAFA SHEIKH

Software Engineer

Cardiff, United Kingdom | linkedin.com/in/bilal-mustafa-sheikh | github.com/bilal-mustafa10 | bilalmustafasheikh@icloud.com | +447498835682

A third-year Cardiff University Student enrolled in Computer Science (predicted 1st class), looking to secure a Graduate Role to use and further develop my knowledge of software development in a practical and fast-paced environment. Aiming to be a Software Engineer to develop innovative products that will help people in day-to-day activities.

EDUCATION

CARDIFF UNIVERSITY

BSC Computer Science with Security and Forensics | Sep 2019 - Jul 2023

- **Web Applications,** 87%: Learnt how to code in HTML, CSS, and Flask to make a website. Coursework involved making a shopping website as a group project, which improved my web programming skills.
- **Database Systems,** 75%: Learnt how a database is designed using a UML diagram and the types of normalisations. Improved SQL in Oracle SQL Plus by learning basic commands and making reports.
- **Problem-Solving with Python,** 78%: Improved Python skills by learning new topics and completing coursework, which involved comparing different scoring methods for squash sport by simulation.
- **Data Processing and Visualisation,** 83%: Learnt statistical methods to analyse data using Python and analysed data by comparing means between two variables and giving a recommendation established on the results.

MANARAT AL RIYADH INTERNATIONAL SCHOOL

Sep 2015 - Jun 2019

- **A-Levels:** Mathematics, Computer Science, Business Studies
- **SAT:** Evidence-Based Reading and Writing, Maths
- **GCSEs:** 6 x A-C, including Maths, English, and Computer Science

WORK EXPERIENCE

WITHOUT SERVERS

Software Engineer | Sep 2021 - Current

- Designed and developed a mobile application for kids related to mental well-being for Public Health Wales.
- Gained experience in cloud computing, by developing new features and working on bug fixes to web-based applications for clients using Amazon Web Services (AWS).
- Working as a part-time Software Engineer in my 3rd year at the university.

SKILLS

PROGRAMMING SKILLS

Experience in Python, Java, Javascript, Typescript, C#, React Native, Flask, and Django. Multiple coursework involved using Python, such as programming an adventure game.

TEAMWORK

The objective of the Group Project module in year 2 was to complete the project given by the client. As part of the group project, I created the database structure of the website. Played teamwork-based sports like cricket and football.

COMMUNICATION

Part of doing group projects is to have good communication between team members. Improved communication skills through the delivery of the presentation. Had regular face-to-face meetings before the pandemic, then switched to Microsoft Teams for meetings for group projects.

PROBLEM SOLVING

In Problem Solving with Python Coursework, the task was to recommend which scoring method in squash is better. Simulated both scoring methods in Python. Analysed and made a report on which method is better.

TIC-TAC-TOE GAME

- Developed the Tic-tac-toe game, which allows the two users to play with each other. The user also has an option to play with the computer using AI.
- Improved programming skills by developing a Tic-tac-toe game using python.

PORTFOLIO WEBSITE

- Developed a portfolio website which included includes my information, CV, and skills.
- Programmed and designed the portfolio website using HTML, CSS, JavaScript, and Bootstrap, which helped me improve my web designing skills.
- Deployed the portfolio website on GitHub and linked GitHub with the domain.

CARDIFF AWARD

Cardiff University | Mar 2022

AMAZON WEB SERVICES CLOUD PRACTITIONER

Amazon Web Services (AWS) | Jun 2022

SOFTWARE ENGINEERING VIRTUAL EXPERIENCE

JPMorgan Chase & Co. | Aug 2021

STUDENT MENTOR

Cardiff University | Sep 2020 - Feb 2021

- Enhanced knowledge regarding study-related matters and social life in Cardiff of a 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.

CRICKET

Participated in Inter-School tournament in Riyadh Cricket League and finished the tournament as the top scorer.

FOOTBALL

Played as a defender with the Pakistan Society Football Team in the University league.

TECHNOLOGY

Read regularly about what's going on in the tech industry. Subscribed to different newsletters like TLDR and Bloomberg.