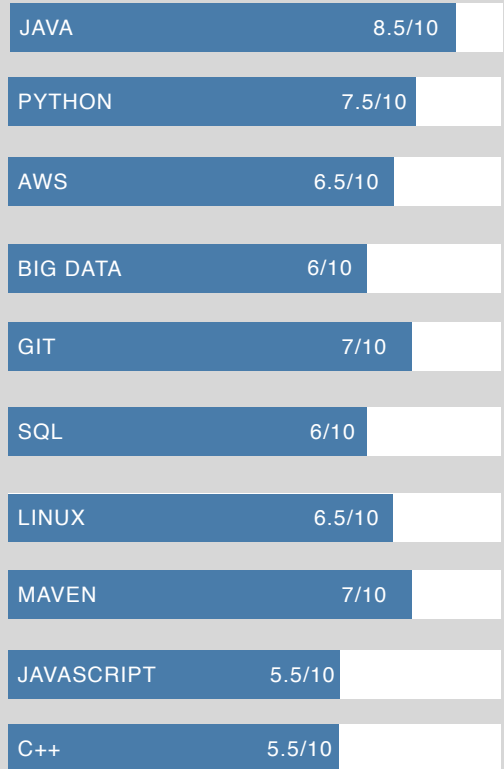




University of Glasgow MSc Computer Science (2023) First Class

A keen computer science student, looking for opportunities to start my journey into the exciting world of software development, cloud computing, big data, and database management.

TECHNICAL SKILLS



CERTIFICATES

Certified AWS Developer - Associate

Certified AWS Practitioner



PROJECT EXPERIENCE

Master's Project: Transaction Processing in Big Data Systems

Design and implement a transaction support for one of the famous NoSQL database, HBase

- Conducted extensive literature review on databases, concurrency control mechanism, Hadoop, Hive, ORC, parquet, HBase, SQL.
- Designed API for CRUD operation guaranteeing transaction support.
- Developed a transaction support for HBase in Java using Maven.
- Benchmarked the database using industry standard databases, YCSB.

Level 4 Project: Human Motion Analysis

Designed a machine learning model to analyse human motion

- Conducted extensive literature review on human motion, pose estimation, OpenCV and Convolutional neural network and long short term memory model.
- Extracted human motion using OpenCV.
- Made virtual dataset using Autodesk 3ds Max.
- Made a hybrid CNN+LSTM model to analyse human motion in python.
- Successfully improved and achieved state-of-the-art performance on virtual data with an accuracy of 95% from conventional CNN model with an accuracy of 60%.

Team Project: Viarama

Made a virtual reality memory room for startup company called Viarama. The memory room would be used by people with Alzheimer.

- Developed a VR room by using Unity, blender and C# by coordinating with team members
- Implemented Firebase database to store the patient's information.
- Offered an immersive user experience by providing help to integrate oculus rift into the solution.
- Successfully delivered VR room with firebase database to the customer.



WORK EXPERIENCE

Role: Lab Demonstrator(University of Glasgow) 09/2022 - PRESENT

- Lead classes/sessions in the JAVA labs.
- Answers questions related to demonstration, including detailed explanation of how the labs relates to wider study area.
- Assist/give guidance where required, to students carrying out practical exercises
- Contribute to the development of teaching material and workloads
- Provide feedback to student's lab assignment.

Role: Web Developer(ED4WO Private Ltd) 09/2021 - 12/2021

- Writing and maintaining clean, efficient, and maintainable code using HTML, CSS and Javascript.
- Learning and applying new front-end development concepts and techniques such as responsive and web accessibility, to improve website's user experience.
- Assisted with testing and debugging website features.
- Optimised the company's website to increase the lighthouse performance score from 40 to 95.