

Shafquat Ul Bari

Computer Science (BSc), The University of British Columbia

I am a Computer Science student with a strong foundation in software construction, relational databases, software engineering and machine learning.

Projects

Fantasy Football Team Application

- Designed and developed a fantasy football team application using Java.
- Implemented functionalities to create teams, add players, modify stats, and save and load user sessions.

Stadium Booking System

- Utilized SQL, PHP, CSS, and HTML to build a query application for stadium booking.
- Implemented features for customers to book venues, host events, and buy tickets.

InsightFacade

- Full-Stack Project using React, HTML, CSS, and TypeScript, Node.js, npm.
- Implemented features to find the average grade received by students given the section id, year, and department, and to find the maximum seating capacity for a specific room in a building.
- <https://www.youtube.com/watch?v=kLgYSH4PITM>

ProQuest

- Worked in a team of four to develop a web application that serves as a platform for consumers and professionals to connect and avail/provide services.
- Handled user authentication and registration systems for customers and professionals.
- Implemented features including booking/cancelling services, payment systems, and user ratings.

Surviving Doomsday

- 3D FPS game made using C# and Unity Engine
- <https://simmer.io/@ShafquatUlBari/surviving-doomsday>

Courses

CPSC 330: Applied Machine Learning

- Gained hands-on experience with data cleaning, feature extraction, supervised and unsupervised machine learning, and result communication.
- Utilized various machine learning models from libraries like Sci-kit learn.

CPSC 425: Computer Vision

Developed foundational knowledge on image processing, color analysis, texture description, stereo imaging, motion interpretation, 3D shape recovery, and recognition.

Education

The University of British

Columbia, Vancouver, Canada

September 2019 – April 2024

Technical Skills

Programming Languages:

- Proficient: Java, TypeScript, Python, C++, C#, R, JavaScript, C
- Familiar: PHP, HTML, CSS

Frameworks & Libraries:

- Front-End: React, Java Swing
- Back-End: Node.js, Express
- Python Libraries: Pandas, NumPy

Databases:

- SQL: SQLplus
- NoSQL: MongoDB

Software & Tools:

- Version Control: Git
- API Testing: Postman
- Project Management: Jira
- Game Development: Unity Engine

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