

Aneesh Bulusu

COMBINED HONOURS COMPUTER SCIENCE AND MATHEMATICS • UNIVERSITY OF BRITISH COLUMBIA

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Education

University of British Columbia

BACHELOR OF SCIENCE - COMBINED HONOURS COMPUTER SCIENCE AND MATHEMATICS

Vancouver, BC

Sep. 2019 - Apr. 2024

- 86.1% CGPA, Dean's Honour List in all years of study
- Relevant Coursework: Software Engineering, Algorithms and Data Structures, Computer Systems

Work Experience

Optigo Networks

Burnaby, BC

QUALITY ASSURANCE ENGINEER INTERN

May 2022 - Aug. 2022

- Reduced backend testing time by 75% by building automated CI/CD pipelines on **Jenkins** with results automatically published to **Zephyr Scale**
- Developed automated **API tests** using **JUnit**
- Provided in-depth documentation on **Confluence** to allow future developers and QA to easily use and contribute to API testing system
- Developed **BASH** scripts to automate manual backend testing
- Tracked issues, development status, and reported bugs using **Jira**

Incognito Software Systems

Vancouver, BC

QA & AUTOMATION ENGINEER INTERN

Aug. 2021 - Apr. 2022

- Lead the testing of migration of microservices on to **Google Cloud Platform**
- Oversaw daily execution and results of automated **Java** test cases on **Jenkins**, reviewed error messages and created bugs on **Jira** for developers
- Designed and implemented test cases using **JUnit** and participated in code reviews on **Bitbucket**
- Used **Linux** to read **Kafka** messages and error logs for debugging of microservices and test code
- Set up and maintained **Virtual Machines** on **OpenStack** to mimic customer environments for testing, deployed microservices using **Ansible**

Projects

Workout App

May 2022 - Present

JAVASCRIPT, NODE.JS, REACT NATIVE, EXPRESS.JS, HTML/CSS, MONGODB

- **Android and iOS** application written in **JavaScript** where users can and track their exercises and workouts
- Implemented interactive frontend using **React Native**, allowing for smooth login and app usage
- Developed **REST API's** with **Express.js** that allow users to store, retrieve, update, and delete exercises from **MongoDB** database

Learning Analytics Project

Nov. 2022

PYTHON, PANDAS, MATPLOTLIB, NUMPY

- Implemented mathematical models in **Python** to analyze learning data from Canvas to assist instructors in analyzing the effectiveness of their courses, utilized **pandas**, **Matplotlib**, and **NumPy**
- Extracted relevant data from CSV files and produced visualizations of student learning patterns

InsightUBC

Sep. 2022 - Dec. 2022

JAVASCRIPT/TYPESCRIPT, NODE.JS, HTML/CSS, MOCHA/CHAI

- Full-stack web application where users can input queries pertaining to UBC courses and rooms
- Developed query engine and dataset processor for the backend with **TypeScript**
- Implemented frontend for users to see course averages and room capacities with **JavaScript**, **HTML**, and **CSS**
- Wrote unit tests using **Mocha/Chai**, achieved 100% code coverage

Number Guessing Game

Sep. 2020 - Dec. 2020

JAVA, JUNIT, SWING

- **Java** game where a player can guess a random number generated by the computer
- Implemented graphical user interface using the Java **Swing** library
- Implemented persistence and saved user progress in **JSON** objects
- Tested model and persistence using **JUnit**, achieved 100% code coverage

Technical Skills

Languages: Java, Python, C/C++, JavaScript/TypeScript, HTML/CSS

Frameworks: React.js, Node.js, Express.js, JUnit, Mocha/Chai

Developer Tools: Linux, Git, Docker, Ansible, Google Cloud Platform, MongoDB, Kafka, Jira, VS Code, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib