

# Maharaj Haider

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## Education

### University of British Columbia

Bachelor of Science in Computer Science

Vancouver, BC

Aug 2021 – April 2026

- CGPA 3.9/4.0
- International Major Entrance Scholar, Outstanding International Student awards amounting to \$100,000

## Technical Skills

**Languages:** Python, Java, JavaScript, HTML/CSS

**Frameworks:** React, TailwindCSS, Node.js, JSON, JUnit, OpenCV, Bootstrap, Swing, Appium, Selenium, TestNg, Vite

**Developer Tools:** Git, SQL, Jenkins, Maven, Oracle DB, Figma, Postman, Charles Proxy, Allure

## Work Experience

### Software Engineer Intern

May 2024 – December 2024

Rivian

Vancouver, BC

- Implemented full-stack applications using **Golang** and **React** to automate stress testing and real-time app health monitoring, improving operational performance for multiple teams
- Implemented downstream **CI/CD** pipelines on **GitLab** for automated test execution, significantly improving test efficiency and reliability, resulting in a more streamlined development process.
- Created **GraphQL** queries and WebSocket subscriptions for backend validation on **Kubernetes** pods, enabling real-time detection of upstream errors and improving system reliability.
- Designed test plans for new features and developed automated UI tests using **Appium** in Python and integrated **AWS S3** for uploading test artifacts leading to a higher quality user experience.

### Software Developer Intern

Jan 2023 – August 2023

Atimi Software Inc.

Vancouver, BC

- Developed **CLI applications** to automate internal processes using **Java**, to increase developer productivity
- Automated mobile application testing in Java using **TestNg**, **Appium**, and **Selenium** web drivers to reduce regression testing time by **72%**
- Automated applications deployment and integrated test automation using **Jenkins** to reduce development time
- Verified and tested RESTAPI responses using REST assured library, **Charles Proxy**, and **POSTMAN**
- Actively performed Functional, Regression, and exploratory testing using agile methodologies and Jira, decreasing user-reported bugs by 25%

### Software Developer Intern

May 2022 – August 2022

Hexa

Waterloo, ON

- Developed a content-platform's front-end using **React**, **HTML** and **CSS** which displayed blogs in interactive ways
- Developed dashboards and maintained connections to visualize and analyze complex datasets using **PowerBI**, providing actionable insights to support strategic decision-making
- Integrated **lazy loading** by code-splitting to improve load times catering for a market of **3 million customers**
- Collaborated with multiple teams using **Git** and closed **50 maintenance tickets** to ensure seamless UI experience

## Projects

### Property Listing Site | Java, Java Swing, SQL, JDBC, MySQL, Git

Sept 2023 – Nov 23

- Developed an interactive application for property listing using **Swing** resulting in an intuitive application interface with seamless navigation for enhanced user experience
- Designed and implemented an optimized database schema for efficient storage and retrieval of data
- Leveraged **JDBC** for integration with **MySQL** database, incorporating SQL queries and optimization techniques to efficiently manage data interactions within the project ensuring seamless functionality.
- Handled backend logic using Java, encompassing property data processing, validation, and business logic.

### Drowsiness Detector | Python, Excel, OpenCV, JSON, Git

July 2022 – September 2022

- Developed an application to detect drowsiness while studying or driving using **yolov5**, **pytourtch** and **OpenCV**
- Trained the algorithm with custom data which had a **95 percent** success rate with detection
- Labelled the images used to train the algorithm using **Labelling** library
- Logged the drowsiness alerts from live camera feed in an Excel file to give the drivers a summary and insights