

# Jagraj Singh Gill

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## EDUCATION

### Simon Fraser University

Bachelor of Science in Computer Science

Burnaby, BC

Dec 2027 (Expected)

- Relevant Coursework: Data Structures & Algorithms, Software Engineering, Web Development

## SKILLS

**Languages:** Java, JavaScript, Python, C++, C

**Frontend:** React, HTML5, CSS

**Backend:** Node.js, Express.js, GraphQL

**Databases & Cloud:** MongoDB, MySQL, SQLite, AWS (S3)

**Tools:** Git, Linux

## EXPERIENCE

### Savi Finance

May 2025 – Dec 2025

Software Engineer Intern

Toronto, ON

- Engineered shared modules across **React** and **React Native** backed by **MongoDB** services for a fintech SaaS platform (**1000+ users**), reducing release cycles by **20%** and improving code reuse across web and mobile.
- Developed an in-place account editing feature using **React** and **Redux**, reducing form submission errors by **30%** and enabling real-time credential updates without leaving the dashboard.
- Implemented secure image upload workflows using **AWS S3** and **GraphQL**, supporting previews and reducing image load failures by **20%**.
- Refactored authentication UI and validation logic with custom React hooks, decreasing login errors by **45%** and improving onboarding success rates.

### StormHacks Hackathon

May 2024

Hackathon Project

Burnaby, BC

- Led a **2-person team** in a 24-hour hackathon to design and deliver a full-stack application under strict deadlines.
- Built and deployed **REST APIs** using **Node.js** and **Express.js**, reducing system response times by **30%**.
- Configured and maintained **MongoDB** on **Linux servers**, eliminating recurring outages and improving system reliability.
- Integrated dynamic frontend updates with **React**, increasing user engagement through seamless real-time data rendering.

## PROJECTS

### Investment Tracker | Java, Swing, JFreeChart

- Developed a Java desktop application with a Swing-based GUI to visualize investment growth using side-by-side charts.
- Designed portfolio logic to calculate real-time asset performance using live prices, quantities, and historical data.
- Improved application robustness through exception handling and input validation for dynamic asset entries.

### Pothole Patrol | React, Python, MongoDB, Node.js

- Built a full-stack web application to crowdsource pothole reports, enabling real-time tracking and public visibility.
- Implemented RESTful APIs to manage submissions, geolocation, and status updates, streamlining municipal reporting workflows.
- Deployed backend services and MongoDB on Linux servers, achieving **99% uptime** with low-latency data access.