



# RADHIKA BAJAJ

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🌐 <https://radhikab1.github.io/Personal-Portfolio/>

## TECHNICAL SKILLS

### Languages

- Java, Python, JavaScript, SQL, NoSQL, C++, HTML, CSS

### Technologies

- React.js, Express.js, Node.js, MongoDB, Spring Framework, Neo4j, Postman API, JUnit, Unix, Git/GitHub

## WORK EXPERIENCE

### Workday, Software Development Co-op

May. 2023-Present

*JavaScript, Java, Spring, NoSQL, Neo4j Graph DB, Postman API*

Vancouver, BC

- Actively participating in a team in software development using the Agile Scrum process
- Constructing an application to help new hires ramping up and existing SDEs and SDETs with their daily tasks to visualize the data flow in Workday's Xpresso (XO) language through the use of knowledge graphs
- Creating a web server within **Java** using **Spring** and establishing API endpoints to the **Neo4j Graph DB** to respond to a **JavaScript UI**

## HACKATHONS

### SpeechLess (cmdf Hackathon 2023) | *JavaScript, Express.js, HTML, CSS, Cohere API*

- Developed an application that performs speech-to-text and text-to-speech summarization and conversion by integrating **Cohere's API** and utilizing **JavaScript, Express.js**
- Awarded UBC's Diversity in CS Project Hub prize

## PROJECTS

### FitMe | *MongoDB, Express.js, React.js, Node.js*

- Developed a **React.js** web application for users to track their workout sessions and perform CRUD operations with sessions
- Established API endpoints from Express.js, Node.js to MongoDB

### Financial Management Tool | *Java, Java Swing GUI*

- Designed an application in **Java** to allow users to perform common financial operations via a GUI designed using **Java Swing**
- Features the ability to track transactions and balances, saving and loading files for data persistence
- Used common software development procedures such as **event handling**, **testing**, and **debugging**

### Sudoku Solver | *Python*

- Programmed a **backtracking search algorithm** in **Python** to solve a Sudoku board

## EDUCATION

### University of British Columbia

Sep. 2021 -May. 2026

*Computer Science, Bachelor of Science, 2<sup>nd</sup> Year*

- BC District Achievement Scholarship
- Eric Hamber Scholarship