

CHAITANYA MITTAL

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🖥 chaitanya-mittal.vercel.app/

Computer Science student experienced in full-stack development, scalable backend systems, and CI/CD pipelines. Skilled in React, Spring Boot, and REST APIs, with a track record of building and deploying real-world applications.

Technical Skills

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

Frontend: React.js, Next.js, Tailwind CSS, Bootstrap, UX/UI Design, Figma

Backend: Node.js, Express.js, Flask, Spring Boot, REST APIs, SQLite, PostgreSQL, MongoDB

Developer Tools: Git, GitHub, GitHub Actions, Vercel, Postman, Docker, Agile/Scrum, CI/CD, Vitest, Jest

Others: UI/UX Design, Figma, Maze, Balsamiq, Accessibility, Agile

Projects

EkantikSearch | [Live Demo](#) | [Github](#)

React | **TypeScript** | **Flask** | **PostgreSQL** | **CI/CD**

- Increased search speed by 40% by migrating to modular REST APIs with Flask and PostgreSQL.
- Delivered a multilingual React dashboard supporting 900+ cultural categories with accessibility-first design.
- Implemented CI/CD pipelines with GitHub Actions for automated scraping, indexing, and deployment with **100% uptime**.
- Built a platform for underserved cultural communities, reflecting a commitment to inclusive, impact-driven technology.

Course Planner Backend

Java | **Spring Boot** | **React** | **REST API** | **POSTMAN**

- Built RESTful APIs for 1,000+ course records with under 100ms response time using indexed retrieval and modular Spring Boot services.
- Enabled department-wise and instructor-based filtering across 50+ departments by designing MVC-compliant microservices and schema-aligned JSON outputs.
- Ensured reliable production deployment by integrating CI/CD pipelines (GitHub Actions) and validating API endpoints via Postman and schema testing.

Recipe Finder | [Live Demo](#) | [Github](#)

React | **JavaScript** | **Agile** | **Vitest** | **CI/CD**

- Built a **React** web app integrating multiple **REST APIs** (recipes + YouTube) to serve 500+ searchable dishes.
- Enhanced UX SPA with personalised bookmarking feature using local storage and seamless API responses.
- Increased reliability by **30%** through unit testing with **Vitest** to validate API integration and frontend rendering.
- Led sprint planning, retrospectives, and code reviews in a 4-person Agile team to ensure on-time delivery of new features.

Tom and Jerry Maze Game | [Source Code](#)

Java | **Spring Boot** | **REST API** | **OOP**

- Developed a RESTful backend in Spring Boot using OOP to manage game logic for movement, scoring, and collisions in a multiplayer maze game.
- Enabled browser-based multiplayer support by restructuring backend architecture using MVC patterns, DTOs, and stateless JSON APIs.
- Improved gameplay stability by debugging core mechanics and iterating in Agile team sprints.

Technical Events and Competitions

Winner – Microsoft Ideathon 2025

2025

- Recognized by Microsoft for developing an innovative sustainability solution, pitching a carbon-footprint tracking tool to industry judges.

Participant – MLH Hackathons 2025

2025

- Engaged in LeetCode-style coding challenges and participated in live technical sessions covering cloud, AI, and modern web development trends.

Participant – CSS Hackathons 2024

2024

- Collaborated in a 24-hour hackathon to prototype a web app, practicing Agile sprints, pair programming, and Git workflows under real-world pressure.

Non-Technical Work Experience

SFU Annual Giving Student Caller	Jan 2024 – Present
<ul style="list-style-type: none">• Demonstrated emotional intelligence and active listening by building rapport with alumni and tailoring conversations to their interests and values.• Applied persuasive communication and storytelling to articulate impact narratives that increased donor engagement and campaign success.• Adapted messaging in real time by managing objections, addressing concerns, and maintaining professionalism under pressure.• Collaborated in a performance-driven team environment by aligning outreach goals, sharing insights, and contributing to continuous improvement.	

Leadership & Community Involvement

SFU FAS Student Ambassador	Jan 2025 – Present
<ul style="list-style-type: none">• Represented SFU’s brand and values as a trusted point of contact at events, contributing to a welcoming and informed first impression.• Facilitated meaningful conversations during tours and orientations, building connection and trust through empathy and clarity.• Contributed to long-term student retention by fostering an inclusive, student-led culture of support and academic belonging.	
SFU CS Peer Mentor	Sep 2024 – Dec 2024
<ul style="list-style-type: none">• Facilitated peer learning and collaboration by mentoring students in debugging, algorithm design, and foundational programming concepts.• Fostered an inclusive, growth-focused environment by encouraging questions, reducing fear of failure, and supporting diverse learning styles.• Demonstrated leadership and technical empathy by adapting explanations and guiding peers through logical problem-solving processes.	

Education

Simon Fraser University	Expected Graduation: December 2027
<i>Bachelor of Computer Science</i>	<i>Canada</i>
<ul style="list-style-type: none">• GPA: 3.89• Deans Honour Roll: Summer 2024, Fall 2024, Spring 2025, Summer 2025• Courses: Software Engineering Practice, Applied Machine Learning, Operating Systems, Computer Architecture, Model-Based Programming, Algorithms and Data Structures, Intro. to Software Engineering, Full stack Dev	