

# 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

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

## Leadership & Community Involvement

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<b>SFU FAS Student Ambassador</b>	<b>Jan 2025 – Present</b>
<ul style="list-style-type: none"><li>• Represented SFU's brand and values as a trusted point of contact at events, contributing to a welcoming and informed first impression.</li><li>• Facilitated meaningful conversations during tours and orientations, building connection and trust through empathy and clarity.</li><li>• Contributed to long-term student retention by fostering an inclusive, student-led culture of support and academic belonging.</li></ul>	

<b>SFU CS Peer Mentor</b>	<b>Sep 2024 – Dec 2024</b>
<ul style="list-style-type: none"><li>• Facilitated peer learning and collaboration by mentoring students in debugging, algorithm design, and foundational programming concepts.</li><li>• Fostered an inclusive, growth-focused environment by encouraging questions, reducing fear of failure, and supporting diverse learning styles.</li><li>• Demonstrated leadership and technical empathy by adapting explanations and guiding peers through logical problem-solving processes.</li></ul>	

## Education

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<b>Simon Fraser University</b>	<b>Expected Graduation: December 2027</b>
<i>Bachelor of Computer Science</i>	<i>Canada</i>
<ul style="list-style-type: none"><li>• GPA: 3.89</li><li>• Deans Honour Roll: Summer 2024, Fall 2024, Spring 2025, Summer 2025</li><li>• 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</li></ul>	