

CHAITANYA MITTAL

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Technical Skills

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

Frontend: React.js, Next.js, Tailwind CSS, Bootstrap, DOM Parsing, Three.js, Vite, UX/UI Design

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

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

Others: Figma, Maze, Balsamiq, Accessibility, Agile, Prompt Engineering, Chrome Extensions (Manifest v3)

Technical Work Experience

Full Stack Developer

Blueprint SFU

Fall 2025 – Present

- Developing a responsive membership application portal using **Next.js**, **React**, and **Tailwind CSS** to streamline onboarding and support online payment workflows.
- Implementing secure backend features with **Node.js**, **Express**, and **Supabase** to enable admin review, member management, and automated operational flows.
- Collaborating with designers, PMs, and stakeholders to plan enhancements for the public RPRC website, including improved accessibility, content structure, and community-focused modules.

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, 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 and validating API endpoints via **Postman** and schema testing.

FormAssistAIExtension | *Github*

Chrome Extensions (MV3) | JavaScript | Agile | DOM Automation

- Built a modular Chrome extension framework using JavaScript and **Manifest v3** to parse dynamic web forms into structured JSON and use **Gemini API** to provide AI-assisted form suggestions.
- Implemented a three-layer Extractor / Prompt / Applicator architecture to support site-specific adapters with preview/dry-run safeguards.
- Designed a **plug-in architecture** where developers can add custom Extractor, Prompt, and Applicator modules for new sites without changing core code.

UX Design - Delivery App | Figma

Balsamiq | Figma | Maze | UX Design | Usability Testing

- Designed a DoorDash-like food delivery app prototype covering the full user flow from browsing to checkout.
- Improved task success rate from 62% to 91% through **Maze** testing iterative design.
- Made iterative low-fidelity wireframes in **Balsamiq** and high-fidelity interactive prototypes in **Figma**.

Education

Simon Fraser University : 3.89 GPA

Bachelor of Computer Science

Expected Graduation: December 2027

Canada

- Deans Honour Roll: Summer 2024, Fall 2024, Spring 2025, Summer 2025

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

- 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

- 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

- 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.