

MANPREET SINGH

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Education

Wilfrid Laurier University

Sept 2025 – Present

Master of Applied Computing (Co-op) — Computer Science

Waterloo, Ontario, Canada

- Coursework: Practical Algorithm Design, Android Application Programming, Data Analysis, Enterprise Computing
- Academic focus on Software Engineering, Enterprise Systems, and Application Development.

Chitkara University

July 2021 – August 2025

Bachelor of Engineering — Major Computer Science

Rajpura, Punjab, India

- Golden Key Honours Scholar — **CGPA: 9.23/10**
- Courses: Object Oriented Software Engineering, Algorithm Design & Implementation, Operating Systems, System Design, Front-end Engineering, Back-end Engineering, Advanced Data Structures & Algorithms, Full Stack Engineering

Work Experience

SalesCode.ai

June 2024 – December 2024

Software Engineer Intern

Gurugram, India

- Improved app performance by **30%** by refactoring the HomeScreen, unifying reusable widgets, and optimizing rendering workflows in **Flutter**.
- Built and deployed a **BannerV2 Framework** delivering dynamic, localized promotions based on user preferences, increasing user engagement by **25%** and click-through rates by **15%**.
- Developed an in-app **Skill Dashboard** in **Flutter**, enabling real-time analytics and personalized insights, which increased user engagement by **20%** and improved satisfaction scores by **15%**.

Projects

Resumify

Next.js (Web) | Spring Boot (Backend) | Artificial Intelligence

- Currently developing the **Spring Boot backend** for an **AI-powered platform** to generate **ATS-friendly resumes** from top industry templates.
- Planning integration of **AI-assisted resume creation**, leveraging **Spring Boot services** such as **SpringAI** to provide tailored, optimized content for users.
- Implementing a **robust authentication and authorization system** using **Spring Security** to ensure secure user management.

Study Adda | Demo | Source Code

ReactJS | MongoDB | Express.js | Node.js

- **Led the development** of a full-stack EdTech platform for **students and instructors**, utilizing **ReactJS** for the frontend, **Node.js** and **Express.js** for the backend, and **MongoDB** as the database, showcasing my ability to work effectively as a team member.

Facial Recognition Attendance System | Source Code

Pandas | Tkinter | Python | Numpy

- Created a facial attendance system, utilizing **Pandas** for attendance updates, **NumPy** for data processing, and **Tkinter** for the graphical user interface (GUI).

Leadership

Skill Dashboard – Development & Client Presentation

Nov 2024

- Developed and presented the **Skill Dashboard feature** at **SalesCode.ai** to clients, demonstrating technical functionality and business impact.

Project Leadership

Dec 2023

- Presented my **Study Adda (MERN Stack)** project to peers, showcasing full-stack development concepts and practical applications.

Technical Skills

Languages: Python, Java, SQL, JavaScript, Typescript C++, Dart, HTML5, CSS, XML

Developer Tools: Postman, Git, Jira, Confluence, Prisma, Supabase, Firebase

Libraries/Frameworks: Spring Boot, React.js, PostgreSQL, MongoDB, Next.js, Node.js, Express.js, Flutter, React Native, Tkinter, Pandas, Numpy