

# MANPREET SINGH

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## Education

### Wilfrid Laurier University

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

Sept 2025 – Present

*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

*Bachelor of Engineering — Major Computer Science*

July 2021 – August 2025

*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

*Software Engineer Intern*

June 2024 – December 2024

*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

- Designing an **AI-powered resume builder** to generate **ATS-friendly resumes** from job descriptions.
- Building **backend services** with **Spring Boot** and **AI integration** for personalized suggestions.
- Developing a **Next.js** frontend with secure authentication using **Spring Security**.

Study Adda | Demo | Source Code

ReactJS | MongoDB | Express.js | Node.js

- Built a full-stack EduTech platform for **students/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 | Numpy | Python

- Automated data handling using **Pandas** for real-time attendance updates and **NumPy** for data processing.
- Built a **Tkinter-based GUI** for user-friendly interaction, improving accuracy and efficiency of record-keeping.

## 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:** JavaScript, Typescript, Java, Python, SQL, 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