

MANPREET SINGH

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Education

Wilfrid Laurier University

Master of Applied Computing (Co-op)

Sep 2025 – Sep 2027

Waterloo, Ontario, Canada

Chitkara University

Bachelor of Computer Science | Golden Key Honours Scholar

July 2021 – August 2025

CGPA: 9.23

Work Experience

SalesCode.ai

June 2024 – December 2024

Software Engineer Intern

Gurugram, India

- Constructed and deployed **Smart Ad Banners** which provided dynamic and local promotions based on user preferences and location which increased user engagement by **25%** and increased user click-through rate by **15%**.
- Increased app performance by **30%** by redesigning the HomeScreen and consolidating reusable widgets as well as streamlining rendering processes and workflows in **Flutter**.
- Developed a **Skill Dashboard** feature in Flutter for the current sales app. It displays the Sales Score, Skill Score, Average drop size, and Monthly SKU units sold. This allows sales representatives to clearly see their performance for the current month.

Projects

Resumify – In Development

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

- Developing an **AI-powered** resume building platform that creates **ATS friendly** resumes based on provided job descriptions.
- Building backend services with **Spring Boot** and **AI integration** using **SpringAI** for personalized resumes tailored according to the job description.
- Developing a **Next.js** frontend integrated with **Spring Security** authentication to deliver a secure and seamless user experience.

Study Adda | Demo | Source Code

ReactJS | MongoDB | Express.js | Node.js

- Developed an entire **EduTech** platform using **ReactJS**, **Node.js/Express.js**, and **MongoDB**. It enables a smooth interaction between students and instructor.
- Developed functionality for students including **personal dashboards**, **course discovery**, **wishlist**, **checkout**, and **integrated course content delivery** with videos and materials leveraging **Cloudinary**.
- Built instructor-facing tools for **course management**, **performance monitoring** and **feedback tracking**. This is helpful in improving teaching effectiveness.

Facial Recognition Attendance System | Source Code

Pandas | Tkinter | Numpy | Python

- Automated data handling with **Pandas** for real-time attendance tracking and leveraged **NumPy** for efficient 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

- Delivered a customer-facing presentation of the **Skill Dashboard** feature at SalesCode.ai, emphasizing its technical strengths and contribution to business outcomes.

Project Leadership

Dec 2023

- Showcased the **Study Adda** (MERN Stack) project to peers, illustrating full-stack development expertise and real-world application.

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