

Anhadpreet Singh

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EDUCATION

University of Alberta - Edmonton, Canada Expected Graduation: April 2025 Bachelor of Science in Specialization in Computer Science with minor in Business
Cumulative GPA: 3.2/4.0

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL, C++, C, GraphQL, MATLAB, HTML, CSS, C# and .NET
Frameworks/Libraries: React, SQLite, Spring Boot, R, JUnit, Playwright, Pandas, Scikit-learn, Matplotlib
Dev Tools: MongoDB, Firebase, Android Studio, Postman, Git, Figma, Jira, PostgreSQL, Unix
Miscellaneous: REST, Agile, Android OS, Linux, Shell programming, Git, Relational Databases, UML, CI/CD
Cloud Platforms: Azure, AWS and GCP

WORK EXPERIENCE

Peer Infotech

Fullstack Software Developer (Remote)

Amritsar, India May - Aug 2023

- Redesigned and optimized the **UI and workflow** within a given framework to achieve better usability and performance of the same. Implemented **JSON validator** with custom error messages, used **lazy loading of assets**, reducing the Database reads. Improved developers' workflow for 10+ developers.

Bleeding Hearts Art Space

Software Developer

Edmonton, Canada Sep - Dec 2025

- Led a team of 6 as **Scrum Master** to build a **volunteer management system** with a secure **PostgreSQL** database for user information (volunteer profiles, event attendance, activity logs).
- Implemented **RBAC-based authentication, registration, event scheduling**, and reporting, and conducted performance tests to ensure stability under high traffic. ([http://\[2605:fd00:4:1001:f816:3eff:fe0f:cc31\]](http://[2605:fd00:4:1001:f816:3eff:fe0f:cc31]))

PROJECT EXPERIENCE

OneStopShop - Inventory management app - Github

- On a team of 6, built an inventory management **Android application** in **Java using Agile**. Integrated **Firebase data**, integrated **JUnit** for testing. Created home, **image processing**, and library pages with ranking algorithms and swipe-to-delete, while leading Figma mockups for a clean, consistent UI.

Workflow Scrape (Saas WebApp) - Github

- WorkflowScrape is a **full-stack web scraping & automation platform** using Next.js, React, **TypeScript**, React Flow, **Prisma**, and React Query.
- Features a **drag-and-drop workflow editor**, secure authentication using Clerk, and robust task execution with logging and validation.
- Integrates **database operations (Prisma)** and **reactive data fetching (Tanstack React Query)** for a scalable, and **Stripe for billing** for user-friendly experience.

AI-Resume Builder - Github

- Developed and deployed an AI-driven resume builder platform leveraging a modern tech stack, including **React, VITE, and Shadcn**, to provide users with professional customization features
- Integrated secure authentication (Clerk)** and responsive design to ensure seamless, multi-device user experiences, and implemented a backend (**Strapi on Node.js**) to handle API requests efficiently

LEADERSHIP EXPERIENCE

Disaster Watch Wildfire Evacuation Hackathon – AWS & University of Alberta

Team Lead - Developed and trained LLM model - Python

August 2024

- Secured 3rd place in a hackathon organized by the **University of Alberta and Amazon Web Services**, focused on developing innovative solutions.
- Collaborated in a team of 5 to design and implement a solution for validating news related to the Jasper wildfire using **Large Language Models (LLM)** and **Retrieval-Augmented Generation (RAG)** techniques.
- Engaged in pitching and brainstorming sessions under the supervision of University of Alberta and Amazon staff, with additional support from Edmonton Unlimited.