Ansh Gandhi

Computer Engineering Student at University of British Columbia
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Education

University of British Columbia Vancouver, BC
Bachelor of Applied Science – Computer Engineering (CGPA – 86%) *Sep. 2022 – Present*
Courses: Data Structures and Algorithms, Principles of Software Construction, Introduction to Relational Databases
Certificates: Machine Learning A-Z: AI, Python & R, The Complete 2024 Web Development Bootcamp

Technical Work Experience

Full Stack Software Engineer Co-op January 2025 – Present
Dialpad - CoreUX Team *Vancouver*

- Design and implement scalable backend microservices in **Python** using **REST APIs** to support custom logo uploads, media retrieval in chats, and efficient pagination
- Streamline **API performance** by optimizing logic and removing redundant response parameters, reducing response times by **80%** while contributing to code reviews and design discussions to ensure scalable features
- Collaborate with designers to develop **Vue.js** components by building reusable UI elements and managing state efficiently with **Pinia**, while ensuring responsive design across all devices to enhance the overall user experience

Software Developer Intern May 2024 – August 2024
University of Calgary IT Department *Calgary*

- Created a dynamic website to facilitate the organization, share-ability, and storage of audit reports using **HTML**, **CSS**, and **JavaScript**
- Implemented authentication mechanisms to enforce role-based access control, safeguarding sensitive reports and limiting access exclusively to authorized personnel

Design Team Experience

Applied AI Lead May 2025 – Present
Agrobot Engineering Design Team *University of British Columbia*

- Lead 20 engineers developing real-time vision systems for autonomous robotics, integrating advanced deep learning models into ROS for accurate crop detection
- Direct three machine learning projects in **object localization**, **image segmentation**, and **reinforcement learning**

Software Developer February 2023 – May 2024
Launchpad Software Engineering Design Team *University of British Columbia*

- Collaborated with a 15-member interdisciplinary team to design and develop software solutions for external stakeholders, following **agile** practices
- Developed Nom Appetite, a **React Native** app in **TypeScript** with an **ML**-powered recommendation system

Projects

Expense Split Manager (GitHub) | (Personal Project) | *React, JavaScript* October 2025

- Developed an expense tracking app that allows users or groups to view real-time balances and expense updates
- Designed a responsive UI with **React** and **Next.js**, integrating **Clerk** for OAuth and **Inngest** for cron jobs
- Implemented cloud API interactions with **Convex** for real-time synchronization of users, groups, and expenses

Stock Trend Prediction Web App (GitHub) | (Personal Project) | *Python, Machine Learning* August 2024

- Coded a **ML Streamlit** web application to visualize stock price trends against predicted trends
- Built and trained an **LSTM** model with **Scikit-learn** and **Keras** in **Python** to predict stock prices
- Created data preprocessing pipelines with **Scikit-Learn** and visualized results using **Matplotlib**

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, C, C++, SQL, HTML, CSS
Frameworks: React.js, Vue.js, Node.js, Next.js, Express.js, React Native, CI/CD Integration, JUnit, Mocha/Chai
Developer Tools: GitHub, GCP, AI/ML (TensorFlow, Scikit-learn, Pandas), PostgreSQL, MongoDB, Oracle DB