Ansh Gandhi

Computer Engineering Student at University of British Columbia

587-284-9363 | anshgandhi@hotmail.com | LinkedIn | Personal Website

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 Coop   January 2025 – Present
Dialpad   *Vancouver*

- Develop backend functionality in **Python** allowing custom logo uploads, seamless retrieval of previous media in chats, and scalable pagination to enhance user experience
- Streamline performance for API endpoints by optimizing logic and removing redundant response parameters, decreasing response times by **80%**
- 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

Machine Learning Engineer   September 2024 – Present
Agrobot Engineering Design Team   *University of British Columbia*

- Researched different machine/deep learning methods for precise intra-row weeding and data collection
- Created advanced machine learning models for accurate weed detection and integrated real-time machine vision into the Robot Operating System (ROS)

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

- Collaborate with an interdisciplinary team of 15 developers and designers to ideate and build a project
- Acquiring hands-on experience and refining industry collaboration skills with tools like **GitHub** and application of **agile** development with iterative design and cross-functional collaboration

PROJECTS

Movie Recommender (GitHub) | (Personal Project) *React, JavaScript, Python*   October - November 2024
- Built a dynamic **React** front-end interface for personalized movie recommendations
- Implementing a back-end in **Python** using **Flask**, utilizing machine learning models to analyze user input
- Integrated **RESTful APIs** for seamless communication and real-time recommendations

Chat Web Application (GitHub) | (Personal Project) | *HTML, CSS, JavaScript*   November 2024
- Developed a dynamic, single page chat application using **HTML**, **CSS**, and **JavaScript** for the front-end
- Coded a robust back end using **Node.js**, **Express.js**, and **WebSockets** to handle real-time messaging and user interactions efficiently
- Incorporated **RESTful APIs** for core features with data stored in **MongoDB** for efficient retrieval

TECHNICAL SKILLS

Languages: Java, Python, JavaScript/TypeScript, C, C++, HTML, CSS, SQL, Verilog, Assembly, MATLAB
Frameworks: React.js, Vue.js, Node.js, Express.js, React Native, JUnit, Bootstrap, JQuery
Developer Tools: Git, GitHub, TensorFlow, Scikit-learn, EJS, PostgreSQL, MongoDB, Oracle DB, Postman

THE UNIVERSITY OF BRITISH COLUMBIA

Co-op Program
Faculty of Applied Science

COOP.APSC.UBC.CA
604-822-3022
apsc.coop@ubc.ca