

Vanshaj Vohra

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WORK EXPERIENCE

Product Development Intern, Ford Motor Company Sep 2023 – Dec 2023

- **Reduced broadcast delays** during **Android Auto** boot-up in Ford infotainment systems **by 60%** using **Kotlin**.
- Implemented **security features** using **Java** in the Distraction Management API to block unauthorized third-party apps from launching on the cluster display, **improving driver and passenger safety**.
- Diagnosed build crashes & system message logs during sanity testing and wrote **comprehensive user stories** with actionable insights to support developers and QA engineers, collaborating across cross-functional teams.

Product Management Intern, Tecsyst Inc. Jan 2023 – Apr 2023

- Authored **30+ user stories**, launched **10+ new API features** & conducted **product backlog refinement** meetings, defining the scope of an order management platform comprising **25+ REST APIs**.
- Conducted performance testing and developed environment-agnostic **Postman collection workflows** to expedite new user onboarding, resulting in a **35% decrease** in client setup time.

Product Developer, AutoCate May 2022 – Aug 2022

- Pioneered and launched a **company dashboard in Python, Flask and PostgreSQL** equipped with user authentication, enabling **asynchronous request management** through a common interface.
- Conducted market research, value proposition analysis, and designed **usability studies** for **100+ beta users**, discovering the top addressable challenges and iterating based on user research insights.

Software Engineering Intern, Ciena Sep 2021 – Dec 2021

- Built a prototype of a **web-based visualizer in JavaScript** to visualize key relationships between different network domains & microservices, **impacting 250+ developers** with real-time troubleshooting.
- Designed & developed **automated test suites in Python** for a file system microservice that uses YANG RPCs to execute **Linux commands** as part of a standardized embedded framework.

SKILLS

- **Programming Languages:** Python, TypeScript, JavaScript, C, C++, Java, Kotlin, HTML & CSS, SQL
- **Frameworks/Technologies:** React, Git, Flask, Docker, Linux, Figma, Postman, Jenkins, Agile methodologies
- **Other:** Scrum, Product Strategy, User Research, Wireframing, Prototyping, Public Speaking, Communication

EDUCATION

Bachelor of Computer Science(Honours), University of Waterloo Sep 2020 – Apr 2025

Major: Computer Science(Honours) with Human-Computer Interaction Specialization

Relevant Coursework: Introduction to Artificial Intelligence, Algorithms, Operating Systems, Data Structures and Data Management, Object-Oriented Programming, User Interfaces, Software Design and Architecture

PROJECTS

Clique, Event Sharing Application Sep 2022

- Developed a community-driven event management and promotion web application using **Python, MySQL & Flask** that lets users host, share, invite guests, view events near them, and perform CRUD operations.

PhysiBot, Health Assistant Jan 2021

- Built an assistive web chatbot in **Python & React** that provides preliminary health prognoses based on a user's symptoms using a machine learning model. Used **pandas & XGBoost** in IBM Watson Studio to classify diseases.

Expend, Budget Tracking Web Application Aug 2020

- Created an interactive web application in **React** to track my monthly expenses, equipped with intuitive colour settings and persistent local storage in the browser using the **Web Storage API**.

HONORS & AWARDS

President's Scholarship of Distinction, University of Waterloo

Awarded to students with an admission average of 95% or higher