

# Vanshaj Vohra

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## WORK EXPERIENCE

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

- Reduced broadcast delays during Android Auto boot-up in Ford infotainment systems by 60% in Java & Kotlin.
- Implemented security features to block unauthorized third-party apps from launching on the cluster display.
- Diagnosed build crashes and system message logs during sanity testing and wrote comprehensive user stories with actionable insights to support developers.

**Product Management Intern**, Tecsyst Jan 2023 – Apr 2023

- Authored 30+ user stories and conducted product backlog refinement meetings, defining the architecture of a headless omnichannel order management platform comprising 25+ REST APIs and microservices.
- Developed environment-agnostic Postman collections for Tecsyst APIs, reducing client setup time by 35%.
- Outlined and published content marketing materials, including case studies, highlighting the benefits of using REST APIs for supply chain and warehouse management.

**Product Developer**, AutoCate May 2022 – Aug 2022

- Pioneered and launched a company dashboard in Python and Flask that acts as an interface between the admin and the users, and allows for CRUD operations and user authentication.
- Conducted market research, wrote a comprehensive Product Requirements Document, and designed usability studies for 100+ beta users to determine the top addressable challenges and iterated based on the feedback.

**Software Engineering Intern**, Ciena Sep 2021 – Dec 2021

- Built an initial 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 framework for Ciena's packet optical products.

## SKILLS

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

## EDUCATION

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**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 Architectures

## PROJECTS

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**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

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**President's Scholarship of Distinction**, University of Waterloo

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