

Vanshaj Vohra

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WORK EXPERIENCE

Product Development Intern, Ford Motor Company Sep 2023 – present

- Reduced broadcast delays during Android Automotive bootup in Ford infotainment systems by 60% in Java.
- Designing test cases in Java to improve state transitions for automotive Engine Control Units in Ford vehicles.

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.
- Assisted with creating content marketing materials, including case studies, highlighting the benefits of using REST APIs for supply chain management.
- Developed environment-agnostic Postman collections for Tecsyst APIs, reducing client setup time by 40%.

Product Developer, AutoCate May 2022 – Aug 2022

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

Software Engineering Intern, Ciena Sep 2021 – Dec 2021

- Constructed a web-based visualizer in JavaScript to surface key relationships between network domains & microservices, assisting 2500+ developers in 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 on an embedded platform.

SKILLS

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

EDUCATION

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

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

Relevant Coursework: Algorithms, Operating Systems, Data Structures and Data Management, Object-Oriented Software Development, Computer Organization & Design, Foundations of Sequential Programs, Elementary Algorithm Design and Data Abstraction, Entrepreneurial Strategy, Probability, Statistics, Calculus II

PROJECTS

HostPoint, Event Manager May 2023

- Developed an event management application using Python, MySQL & Flask that lets users host, share and view community-based events, invite people, RSVP, manage guest lists and perform CRUD operations.

PhysiBot, Health Assistant Jan 2021

- Built an assistive web chatbot in React that provides a preliminary health prognosis based on a user's symptoms using a machine learning model trained using the XGBoost classifier in IBM Watson Studio & Python

Reword, Study Tool Dec 2020

- Implemented a text summarization & keyword extraction program in Jupyter Notebook using PyTorch and T5 to assist with effective learning & active recall through auto-generated flashcards.

HONORS & AWARDS

President's Scholarship of Distinction, University of Waterloo

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