

# Vanshaj Vohra

📍 Waterloo, ON   ✉ v6vohra@uwaterloo.ca   ☎ +1 (226) 899-1668   🌐 vanshajvohra   🖱 vanshaj.me

## WORK EXPERIENCE

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

- Developing functionality to enhance the integration of third-party apps into the Ford infotainment system.

**Product Management Intern**, Tecsys 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 Tecsys 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

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

## PROJECTS

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**PhysiBot**, Hack the North 2021 Jan 2021

- Built an assistive web chatbot in React that provides a preliminary health prognosis and recommends the nearest healthcare facility while travelling in a foreign country as part of a 3-member team.
- Implemented the recommendation feature based on a machine learning model designed using an XGB classifier in the IBM Watson API Studio & Python.

**Reword**, Personal Project Dec 2020

- Implemented a text summarization & keyword extraction program in Jupyter Notebook using PyTorch and T5 to assist with effective learning & studying.

**AgGro**, IvyHacks 2020 Oct 2020

- Developed a web application in JavaScript to aggregate and automate ordering groceries for individuals living in shared spaces by creating a persistent data store using Web Storage API.

## 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:** 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

## 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