

# VEDANT APTE

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## EDUCATION

### **University of California, Davis**

#### **Bachelor of Science, Computer Science**

June 2022

Davis, CA

GPA: 3.561 / 4.000

Minor in Economics

### **Northwestern University**

#### **Master of Science, Computer Science**

June 2023

Evanston, IL

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### **Selected Coursework**

- ECS 36B Object-Oriented Programming
- ECS 36C Data Structures and Algorithms
- ECS 122A and 122B Algorithm Design and Analysis
- ECS 150 Operating Systems and Systems Programming
- ECS 140A Programming Languages
- ECS 170 Artificial Intelligence
- ECS 171 Machine Learning

*Primarily using C++, Python, C*

## EXPERIENCE

### **Software Engineer, Chevron Corporation**

July 2022 – September 2022, (San Ramon, CA)

- Commodity Movement Optimization Team
- Implemented functionality allowing a vessel scheduling optimizer to make purchases as necessary to satisfy lift and demand contracts

*Using Python*

### **Software Engineering Intern, Dell Technologies**

June 2021 – September 2021, Remote (San Ramon, CA)

- Responsible for front-end and back-end development in two different internal sales applications
- Developed a new UI for a support ticket in both applications, allowing salespeople to report issues to the developer team
- Applied REST architectural principles to integrate support ticket requests with Mantis Bug Tracker

*Using Angular, C#, HTML, CSS*

### **Technical Projects Manager, UC Davis ASUCD Pantry**

December 2021 – June 2022, (Davis, CA)

- Oversaw the development of an online ordering and inventory management system to enable operations for the UC Davis ASUCD Pantry
- Employed agile practices to manage a team of three product managers and worked in close liaison with 10+ developers

*Using Django Framework*

## SKILLS

### **Languages/Frameworks**

Python · C++ · C · Java · JavaScript · Node.js · Angular · React Native · SQL · HTML · CSS

### **Tools**

Linux, Git, Microsoft Office

## PROJECTS

### **ShareUrNotes – Mobile Application**

- Developed an iOS application that allows students to share class notes with each other
- Platform to simplify accessibility of lecture notes in the student community

*Made with React Native, JavaScript, Node.js, and MySQL database*

### **Machine Learning Research Project**

- Led a team of 11 people
- Developed an ML algorithm to predict the violent crime rate given various communal attributes
- Developed a web application to allow for an interactive demonstration of the algorithm

*Made with Python, React.js*

### **UniSyte – Mobile Application**

- Developed a mobile application to tackle common problems facing college students
- Platform allowing students to schedule rides to and from college, and sell textbooks to one another

*Made with HTML, CSS, JavaScript, Node.js, and MySQL database*

### **Rush Hour AI Game**

- Employed the A\* artificial intelligence algorithm to develop an AI to play the Rush Hour game

*Made in Python*