Ankur **Ahir**

📱 (+1) 916-846-8959 | ✉ ahir.ankur0429@gmail.com | 🏠 portfolio-ankur-0429.vercel.app | ⌨ Ankur-0429 | 💼 ankur-ahir-93b041211

Work Experience

Lockheed Martin *Remote*

Software Engineer Intern *Jun. 2021 - Dec. 2022*

- Designed a fully automated continuous integration and **continuous delivery** pipeline to build, test, and deploy internal tools as Docker images
- Tested **large scale systems** in Sonarcube which analyzed repositories for exposed API keys, general bad coding practices, and security vulnerabilities, sending email reports to any severe issues
- Engineered a process to automatically rotate DB passwords in an Amazon RDS database for company compliance, effectively reducing backlog for other developers

Projects

CruzHacks 2023 *Santa Cruz, CA*

1st place winner on UI/UX *January 2023*

- Assembled a food-delivery mobile application in React Native that allows college students to meet up and give food to those in need
- Informed technical developers on how to design general systems in a React Native mobile application, including navigation, authentication, and state management
- Managed two UI/UX developers and built a prototype and tested how clients interact with the application, making sure that changes are effectively communicated and **well-documented**

CruzHacks 2022 *Santa Cruz, CA*

2nd place winner on health-based software *January 2022*

- Designed a mobile application that informs clients on when to use a certain drug based on the image taken
- Implemented Google's **text detection API** to extract the name of a drug from an image of a prescription bottle
- Created a web scraper to extract relevant data from over 6,000 drugs and provide a detailed description of the use case of the drug and its side effects

RecycleMe *Santa Cruz, CA*

Recyclability Detection Mobile App *Sep. 2021 - Apr. 2022*

- Programmed a mobile application in **Python** and React Native that determines the recyclability of an item based on a picture taken by a client
- Developed an image-based ML model that segments and categorizes items by image with a a **63%** accuracy using the TACO dataset
- Created a CI/CD pipeline to automatically push new features to our backend system using **platform as a service** applications such as Google cloud run

Education

University Of California: Santa Cruz *3.8 GPA*

B.S. in Computer Engineering *Sep. 2021 - Jun. 2025*

- Dean's List: Fall 2021, Winter 2022, Spring 2022, Fall 2022
- Relevent Coursework: Data Structures and Algorithms, System Programming in C, Programming Abstractions in Python

Skills (3 months+)

Programming	C++, C, Java, Python
Back-end	REST API, GraphQl API, firestore database, MongoDB database, Express server, Springboot server
Developer Tools	Agile Development Methodology, AWS, Git, VIM