

Ankur Ahir

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**Work Experience:**

Lockheed Martin - devSecOps engineer - part-time

June 2021 - Present

- Built automated Gitlab Ci/Cd pipeline for launching our DB application using docker and kubernetes
 - added tasks for scanning package dependencies and github commit history for security vulnerabilities and exposed secrets
- Developing system to automatically rotate passwords and credentials in an Amazon RDS instance
- Working on automating legacy oracle databases to push to AWS ec2 instances
- maintained kubernetes clusters through Helm and the openShift api

Projects:Recycling Mobile App 

September 2021 - Present

- developing a ML model to auto-detect characteristics of an image to determine recyclability
- programmed the frontend using expo react native which includes:
 - a home screen to showcase images the user takes
 - a camera screen to take the picture
 - and a maps screen to show nearby recycling centers from both:
 - user-generated data maintained by firestore
 - search query by the Google Places API
- built an automated script to launch our main ML backend solution using docker and Google Cloud Run
- Projected launch of this app to google play by mid-February


Second Place Winner of CruzHacks 2022 

- built an ml model that categorizes prescription bottles by name
- used webscraper to grab over 6000 different types of drugs from the fda api

A Star Pathfinding Algorithm Visualizer 

- found the shortest path in a maze traversal using an algorithm which accounted for:
 - the distance from its current point to the end goal
 - the current distance of its path

Qualifications:

- Technical knowledge of Python, Java, Gradle, Springboot, Javascript, HTML, CSS, React, React Native, Angular, Typescript, and Git
- Passed the AWS cloud practitioner exam 

Education:

- UC Santa Cruz (GPA: 4.0, Pursuing bachelor of Computer Engineering)