

## Ankur Ahir

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### Technical Knowledge

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**Frontend:** React, React Native, Angular, JavaScript (ES5 and ES6), TypeScript, Next.js, HTML5, CSS3

**Backend:** Java, Gradle, Springboot, Node.js, Express, PostgreSQL, MongoDB, Firebase, RESTful API

**Developer Tools:** Git, NPM, PIP, TMUX, VIM, Agile Methodology

### Experience

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#### Lockheed Martin

Remote

Software Developer Intern

2021 – 2022

- Built a new Gitlab CI/CD pipeline in for building, testing, and deploying software as a Docker image for three repositories
- Added Sonarcube testing which analyzed repositories for exposed API keys, general bad coding practices, and security vulnerabilities, sending email reports to any severe vulnerabilities.
- Developed a system to automatically rotate DB passwords in an Amazon RDS database for company compliance, effectively reducing the backlog for 2 senior developers

### Projects

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#### Waypoint

Event-based Social Media Mobile App

2022 – Present

- Built a backend system that acts as an intermediary to MongoDB and our mobile client, validates the user by JWT token generated by firebase authentication
- Managing a team of three people using agile, including story pointing, retrospectives, and sprints
- Created UI for CRUD functionality for posts and for users in our react native mobile client

#### RecycleMe

Recyclability Detection Mobile App

2021 – 2022

- Developed an image-based ML model that categorizes items by image with a 63% accuracy using the TACO dataset, allowing us to interpret where to recycle that item
- Implemented clean UI/UX for camera functionality with historical analysis and gmaps integration
- Reduced our risk of a malformed production environment by creating a pipeline to push new features of our backend system

#### CruzHacks 2022

Santa Cruz, CA

2nd Place Winner

January 2022

- 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 6000 drugs to provide a detailed description of the use case of the drug and its side effects

### Education

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**Bachelor of Science (B.S) in Computer Engineering**

March 2025

University of California: Santa Cruz

GPA: 3.8