

# Suryateja Duvvuri

408-431-2905 | [duvvurisuryateja95@gmail.com](mailto:duvvurisuryateja95@gmail.com) | [linkedin.com/in/suryateja-duvvuri](https://www.linkedin.com/in/suryateja-duvvuri) | [github.com/SuryatejaDuvvuri](https://github.com/SuryatejaDuvvuri)

## EDUCATION

### University of California - Riverside

Riverside, CA

*Bachelor of Science in Computer Science*

*Aug. 2022 – May 2026*

**Relevant-Coursework** : Data Structures and Algorithms, Software Construction, Discrete Structures, Calculus III, Probability and Statistics, Logic Design, Edge Computing, Finite Automata and Theory

**Awards & Certificates** : Dean's List of Winter 2023, Best Sustainability Team award of Rose Hack 2023 and AWS Cloud Practitioner

## EXPERIENCE

### Rose Hack Mentor

Riverside, CA

*University of California - Riverside*

*Jan. 2024*

- Helped 20+ people to navigate solutions on particular obstacles of the hackers' projects, and offered guidance to develop innovative solutions.
- Collaborated with the organizers to ensure a smooth, positive experience for the hackers by 20%.

### Club Member of Association of Computing Machinery

Riverside, CA

*University of California - Riverside*

*Sep. 2022 – Apr. 2023*

- Collaborated with a team to develop a full-stack membership portal to improve information accessibility by 25%
- Revamped website UI using Tailwind to prominently display club announcements and event updates; increased user engagement by 40% and reduced event information retrieval time by 25%

### Computer Vision Member of IEEE Robosub

Riverside, CA

*University of California - Riverside*

*Apr. 2023 – Feb. 2024*

- Collaborated with a team to enhance an image processing algorithm through the use of computer vision for a submarine robot
- Utilized OpenCV to help improve object detection by 15%

## PROJECTS

### Blog Project | *React, Git, Sanity, Vercel*

*January 2023 – June 2023*

- Initiated a personal blog to showcase my journey and review trends occurring in the tech industry
- Created a visually appealing blog layout and ensure compatibility across browsers with the help of React and Tailwind
- Connected a blog page with a headless CMS text editor that allows creating, managing, and publishing content via formats like Images to improve flexibility of editing content by 20%.

### Skytrack Weather App | *C++ QT Creator, Firebase, Google Test*

*May 2023 – June 2023*

- Led a 4-person team over a 1 and a 1/2 month process to develop a multi-productivity app and display geographical-based weather info in real-time.
- Integrated the app with real-time database to fetch and store user data for displaying the weather info and tasks list through JSON
- Produced test cases using Google test and Valgrind to ensure scalability by 15%
- Used Firebase Auth with QT Network to ensure proper authentication through user login for accessing features

### ShelfieWatcher | *Python, Google Cloud Platform, Firebase*

*May 2024 – June 2024*

- Devised an edge computing-based retail inventory management system using GCP, leveraging two NVIDIA Jetson Nanos for inventory tracking and object-detection via OpenCV
- Implemented real-time inventory updates and email alerts using GCP Pub/Sub and Integration API, reducing manual labor and improving stock accuracy by 25%
- Designed the cloud architecture on GCP, including Firebase Real-time DB and Cloud Storage for images and text, and Vision Cloud API for text detection, improving the solution's scalability and efficiency by 15%.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, JavaScript, HTML/CSS, Swift

**Frameworks/Technologies:** React, Next.js, Tailwind CSS, Firebase, GTest, CMake, QMake, SwiftUI

**Developer Tools:** Linux, Git, AWS, VS Code, IntelliJ, Eclipse, QT Creator