

# Madhusudhan Sharma

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## EDUCATION

### University of California Irvine

Present – 2024 (*Expected*)

*Bachelor of Science in Computer Science*

Irvine, CA

- **GPA:** 3.89/4.0
- **Relevant Coursework:** Machine Learning & Data Mining, Introduction to Data Management, Linear Algebra, Discrete Math

## RELEVANT EXPERIENCE

### Amazon

2022 June – 2022 September

*Software Development Engineer Intern*

Seattle, WA

- Designed and developed features on an internal application to help different product leads across Amazon plan and execute promotions
- Improved API logging and unit testing coverage to assist developers in understanding errors

### Commit the Change

Oct 2021- Present

*Full-Stack Developer*

Irvine, CA

- Worked with Abound Food Care to reduce food waste and insecurity by creating a digital registration system to better connect their volunteers and engage them in organizational events
- Assess problems, develop, and maintain high quality software for non-profit organizations to help increase productivity and save time

### Delta System & Software, Inc.

June 2020 – August 2021

*Junior Software Developer*

McKinney, TX

- Architected and programmed a prototype ticketing system to manage customer service requests for the human resources department which resulted in an increase in productivity
- Created files for new employees and assisted in recruitment events at venues

### iCode

Feb 2019 – August 2021

*Technical Lead & Lab Mentor*

Plano, TX

- Bridged technical concepts of Computer Science to non-technical children ages 5-12 in both weekly classes and summer camps. Improved children's ability to think critically and solve problems

## PROJECTS

### Bonsai

- Used motion tracking technology to analyze and correct weightlifting technique; can be expanded into sports such as karate, basketball, dance
- Developing platform to ease “gymxiety” and build an inclusive community for new gym-goers
- Won \$6,000 in funding to assist building a startup while working alongside with staff at UCI

### RetnoScan

- Used machine learning to create an Android application to detect healthy and Retinopathic eye images with a feature to share results with a doctor.
- Prevents the need for doctor checkups especially during COVID-19 pandemic
- 2<sup>nd</sup> Place Overall Project and 1<sup>st</sup> Place from the Data to Knowledge Lab at Rice University Hackathon

### FaceAnalyzer

- Created a web application to analyze a students' face, provide real-time statistics of mood and attention, and play an audio cue if the student is distracted for too long. Improves student productivity levels

## SKILLS & INTERESTS

- **Languages:** Python, Java, C++, C#, SQL, HTML/CSS, JavaScript, TypeScript
- **Frameworks:** PostgreSQL, React, Android Studio, AWS, MongoDB
- **Skills:** Database Management, API, RDBMS, REST, CRUD, Machine Learning