

# Gaurav Rajesh Makasare

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## Education:

- **University of Southern California**, Los Angeles, CA. **GPA 3.6/4**  
Master of Science in Computer Science **May 2023**
- **University of Mumbai**, Maharashtra, India. **CGPA 9.42 /10**  
Bachelor of Engineering in Computer Engineering **Nov 2020**

## Work Experience:

**Teaching Assistant** - University of Southern California **Aug 2022-Present**

- Tutored and administered 46 students of Blockchain: Decentralized Application (ITP 356) course for the Information Technology Program Department.

**Course Producer** - University of Southern California **Jan 2022-May 2022**

- Served department of Information Technology Program by grading and assisting 36 students in Blockchain: Decentralized Application (ITP 356) course.

## Leadership and Activities:

- Guided 3 new grad students under the Viterbi Graduate Mentorship Program to provide facilitation mentorship via weekly meetings. **Aug 2022-Present**

## Projects:

**Team Generator Application** **June 2022-July 2022**

- Built a team generator application with AngularJS to equally distribute employees randomly into teams and can be used for grouping people in any organization.
- Containerized it with Docker (Technology: Angular, Docker, Typescript).

**Discord Chat Application Clone** **Jan 2021-Feb 2021**

- Pioneered a group chat app for 2 or more concurrent users with ReactJs and React-Redux.
- Designed its backend on Google Firestore and fashioned consumer authentication through Firebase's authentication feature (Technology: React Js, Google Firebase, Javascript).

**Product Review Scraper** **Nov 2020-Dec 2020**

- Devised a web application to simultaneously scrape numerous reviews of products from 2 e-commerce giants: Amazon and Flipkart (Technology: Selenium, BeautifulSoup, Python).

**Contactless Attendance System** **July 2020-Aug 2020**

- Headed a team of 3 people to conceptualize an application to record attendance on Firestore.
- Tailored it towards the recent covid scenario leading to a 100 percent elimination of a need for any form of physical contact (Technology: Android Studio, Cloud Firestore, Java).

**Sentiment analysis on live twitter tweets.** **Jan 2019-April 2019**

- Directed a group of 2 people to develop a Machine Learning logistic regression model to perform sentiment analysis on live tweets fetched with Tweepy.
- Monitored model performance using measures: Accuracy, Precision, Recall and F1 score (Technology: Tweepy, Machine Learning, Python).

## Certifications:

- Coursera - Data Visualization with Python, Using Tensorflow with Amazon Sagemaker, Blockchain basics. **Aug 2020-May2020**

## Technical Skills:

**Languages:** Go, Python, Java, C, C++, C#, Javascript, Typescript, SQL, HTML, CSS

**Databases:** MySQL, SQLite, MongoDB, Amazon DynamoDB, Neo4j

**Tech-stack:** MERN, Angular, Docker, Kubernetes, Nginx, REST, AWS, Android Studio, Blockchain, Django, Flask, Tensorflow, NoSql, Git, Linux, Unity