

# Gaurav Rajesh Makasare

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## EDUCATION

- **University of Southern California**, Los Angeles, CA. **Aug 2021-May 2023**  
*Master of Science in Computer Science* GPA 3.60/4  
(Relevant Coursework: Algorithms, Database Systems, Web Technologies, ML for DS)
- **University of Mumbai**, Maharashtra, India. **Aug 2016-Nov 2020**  
*Bachelor of Engineering in Computer Engineering* CGPA 9.42 /10  
(Relevant Coursework: Data Structures, Operating Systems, Computer Networks, Dist. Computing)

## WORK EXPERIENCE

- Teaching Assistant** - University of Southern California **Aug 2022-Present**
  - Tutored and guided 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

- Mentor** - University of Southern California **Aug 2022-Present**
  - Counseled 3 new graduate students under the Viterbi Graduate Mentorship Program to provide facilitation mentorship via weekly meetings.

## PROJECTS

- Team Generator Application** **June 2022-July 2022**
  - Developed a team generator application using AngularJS that equally distributes employees randomly into 2 or more teams and can be used for teaming people in any organization.
  - Containerized the application using 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 the backend on Google Firestore and fashioned the consumer authentication through Firebase's authentication feature (Technology: **React Js, Google Firebase, Javascript**).
- Product Review Scraper** **Nov 2020-Dec 2020**
  - Devised a web application that simultaneously scraps numerous reviews of products from the 2 e-commerce giants: Amazon and Flipkart (Technology: **Selenium, BeautifulSoup, Python**).
- Contactless Attendance System** **July 2020-Aug 2020**
  - Worked in a team of 3 people to conceptualize an android application that can record attendance on Cloud Firestore eliminating the need to utilize the biometric system.
  - Tailored the project towards the ongoing covid scenario and led to a 100 percent elimination of the 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 that were fetched with the help of Tweepy.
  - Monitored model performance using measures like Accuracy, Precision, Recall and F1 score (Technology: **Tweepy, Machine Learning, Python**).

## CERTIFICATIONS

- Coursera - Data Visualization with Python, Using Tensorflow with Amazon Sagemaker, Blockchain basics (3 Certificates). **May 2020-Aug 2020**

## 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