

Akshaya Manchala

Los Angeles, CA 90007
(949) 594 – 9651 | am65658@usc.edu

EDUCATION

University Of Southern California

Master of Science, Computer Science (Artificial Intelligence)

Jan 2022 – Present
Los Angeles, CA

University Of California, Irvine

Bachelor of Science in Computer Science (Intelligent Systems)

Sep 2017 – Jul 2021
Irvine, CA

- GPA: 3.568
- Dean's List 2018 – 2021
- Certified Learning assistant at the UCI Division of Teaching Excellence and Innovation

EXPERIENCE

University Of California, Irvine

Learning Assistant

Jan 2020 – Jul 2021
Irvine, CA

- Tutored four courses: Data structures, Discrete Mathematics, Computer organization and Database Management
- Held weekly office hours to clarify doubts and reinforce lecture material
- Facilitated in managerial aspects of the class: Grading, setting question papers etc.

Tetrasoft

Software Engineering Intern

Jun 2018 – Sep 2018
Hyderabad, India

- Revamped UI for client websites and provided IT assistance to other employees
- Took part in weekly meeting and provided reports on progress made in current projects
- Ran and monitored tests for the purposes of isolating areas of improvement and correcting errors

PROJECTS

Distracted Driver Detection

Team Lead

Jan 2021 - Jul 2021

- Implemented a CNN pipeline to detect various driver behavior
- Restructured the input data to decrease running times and increase efficiency
- Performed data cleaning on training data

Consumer Behavior Prediction

Team Member

Sep 2020 – Dec 2020

- Analyzed and implemented multiple machine learning models to predict consumer behavior
- Performed parameter tuning to reduce running times
- Compiled a report to articulate final model performance. (Accuracy 85%)

Integrated Production Medical Imaging Segmentation

Team Lead

Sep 2019 – Mar 2020

- Engineered a streamlined infrastructure for medical imaging software
- Optimized bottlenecks in DICOM data transfer in DCM4CHEE
- Developed tools to assist in horizontal scaling and vertical scaling of the service

SKILLS

- Python, C++, C#, Java, JavaScript, MySQL, Docker, GitHub, Microsoft Office