

# Varun Murali

209-225-3987 | mr.varunmurali@gmail.com | linkedin.com/in/varun200

## EDUCATION

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### University of California, Irvine

*B.S in Software Engineering — Dean's Honor List*

Irvine, CA

September 2025 – Present

### Joseph A. Gregori High School

Modesto, CA

August 2021 – May 2025

## EXPERIENCE

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### AI Projects and UX Design Intern

June 2026 – September 2026

*Cultural Vistas*

*Washington, D.C.*

- Contributed 15+ hours per week to the design and development of talentnavigator.app, testing features, identifying bugs, and providing design recommendations to improve the overall user experience.
- Researched and utilized 10+ LLMs and process-automation opportunities, identifying use cases for communication automation, outreach scaling, and internal workflow improvement.
- Supported business development outreach for the J-1 program by assisting with email campaigns, partner research, and engagement tracking across 50+ prospective organizations.

### Lead Data Analyst

September 2024 – April 2025

*Casrin (formerly OutsideConnection)*

*San Francisco, CA*

- Partnered with 40 fair-chance employers across 34 cities, helping 10,000+ reentrants find jobs; OutsideConnection was a U.S. Supreme Court-adopted NGO backed by \$25K funding.
- Primarily led data analysis projects aimed to improve ex-homeless employment rates, while mentoring junior analysts, fostering skill development and knowledge sharing.
- Contacted various establishments and combined availability on outsideconnection.org.

### Pi Kappa Alpha Recruitment and Alumni Chair

January 2026 – Present

*University of California, Irvine*

*Irvine, CA*

- Led recruitment strategy for collegiate fraternity chapter, planning outreach events and coordinating member engagement to increase new member intake.
- Strengthened alumni relations by organizing networking events and maintaining ongoing communication between active members and alumni base.
- Managed recruitment and alumni committees, delegating tasks and ensuring execution of initiatives aligned with chapter growth goals.

## PROJECTS

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### Direct Messaging Chat | Tkinter, JSON, GUI

May 2026

- Built a **Tkinter-based messaging application** with **4 core features**: account configuration, contact management, direct message sending, and conversation history viewing)
- Implemented a **JSON-based client-server messaging protocol** supporting **4 commands**: join, send direct message, retrieve new messages, and retrieve all messages.
- Wrote **13 pytest unit tests** using mocked socket connections to validate authentication, message sending, message retrieval, JSON parsing, and error handling.

### Bikeshare Data Analysis | Python, pandas, NumPy

July 2025

- Built a **Python command-line analytics tool** to process bikeshare trip datasets across **3 major U.S. cities**: Chicago, New York City, and Washington.
- Implemented **CSV ingestion, datetime parsing, feature engineering, and user-driven filtering** by city, month, and day to support flexible trip-data analysis.
- Generated and presented **8+ descriptive metrics**, including peak travel times, most popular stations/routes, trip-duration statistics, and rider demographics, with handling for missing data.

## SKILLS

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**Technical:** Python, pandas, NumPy, Data Analytics, Data Cleaning

**Social:** Leadership, Team Collaboration, Communication, Mentoring, Event Coordination

**Miscellaneous:** Problem-Solving, Organization, Project Management, Attention to Detail, Time Management, Initiative