

Manasvi Vardham

Irvine, CA | +1 562-373-8199 | mvardham@uci.edu | [linkedin.com/in/manasvi-varidham](https://www.linkedin.com/in/manasvi-varidham) | manasvivardham.site

EDUCATION

University of California, Irvine, The Paul Merage School of Business

Master of Science in Business Analytics

Irvine, CA

Graduation Date : June 2026

Whittier College

Bachelor of Arts in Computer Science and Economics (Dean's List, 4 years)

Whittier, CA

Graduation Date : May 2025

EXPERIENCE

Edwards Lifesciences

Data Analyst (Capstone Project)

Irvine, CA

January 2026 - Present

- Conduct end-to-end analysis of China MDR regulatory reporting workflows to identify process bottlenecks, manual dependencies, and opportunities for AI-enabled automation and process improvement
- Evaluate translation workflows and multi-layer quality review processes to assess automation opportunities while ensuring data accuracy, consistency, and regulatory compliance

Whittier College - Office of Institutional Effectiveness

Data Analyst Intern

Whittier, CA

August 2023 - April 2025

- Designed an interactive NSSE dashboard using Power BI to consolidate student survey data, resulting in a 20% increase in actionable insights and improved student satisfaction KPIs for program administrators.
- Conducted student-athlete persistence study by analyzing 8 years of enrollment data (2016–2024) across 2,000+ student records to identify retention and graduation rate trends.

IQVIA

Data Analyst Intern - AIML Engineering

Bangalore, IND

May 2023 - August 2023

- Developed a 99% accurate Python-based disease detection conversational chatbot using OpenAI's GPT-4 language model enhancing user accessibility to insights and automating data analysis.
- Built a Python script that used APIs to enable automation of analysis of HCP interview transcripts to derive meaningful patterns and trends, resulting in a 43% decrease in manual labor.

ACADEMIC PROJECTS

Financial Sentiment Analysis & LLM Reliability Evaluation

March 2026

- Evaluated VADER, FinBERT, ChatGPT, and Gemini on 3,900+ financial social media posts, benchmarking sentiment classification performance using accuracy and macro-F1 to compare traditional NLP models and LLMs
- Conducted adversarial testing and qualitative error analysis to identify key reliability and reasoning gaps, highlighting risks and limitations of AI models in financial decision-making and market sentiment analysis

RAG-Powered Financial Announcement Chatbot

February 2026

- Built a Retrieval-Augmented Generation (RAG) chatbot that analyzes 1,800+ financial announcements, using ChromaDB vector search and embeddings to retrieve the top-20 documents and rank the most relevant results.
- Implemented a two-stage retrieval pipeline and Streamlit interface, integrating FLAN-T5 for answer generation and conversation memory to support multi-turn financial queries with source citations for transparency.

Predictive Modeling of Anxiety & Depression from Social Media Usage

April 2024

- Developed predictive models for PHQ-9 depression outcomes using 8,000+ observations, improving prediction accuracy by 12% and identifying behavioral risk factors from social media usage
- Performed data cleaning, feature engineering, and model evaluation (RMSE, accuracy, precision, recall), identifying screen time and sleep duration as key predictors influencing anxiety and depression severity

SKILLS

Programming: Python, SQL, R

Data Analysis: Data Cleaning, EDA, Regression, Classification, Feature Engineering, Hypothesis Testing

Visualization & BI: Power BI, Tableau, Excel, Dashboard Development, KPI Reporting

Tools: MySQL, Git, Pandas, NumPy, Scikit-Learn