

Anish Kamatam

Mountain House, CA | anishkamatam22@gmail.com | 925-549-603 | linkedin.com/in/anishkamatam

Education

- Chico State University**, BS in Computer Information Systems Expected May 2027
- **Coursework:** Programming and Algorithms I, Programming and Algorithms II, Information Systems Design, Data Structures and Algorithms
- Chico State University**, Bachelor of Business Administration Expected May 2027
- **Coursework:** Financial Accounting, Managerial Accounting, Survey of Finance, Business Law, Survey of Marketing

Experience

- Software Engineer Intern**, TraceCloud – San Jose, CA May 2024 – Aug 2024
- Investigated real-time data and application logs to identify bottlenecks and application issues
 - Assisted in the design and implementation of automated testing frameworks to streamline the testing process using Selenium IDE and Webdriver
 - Executed manual and automated test cases to identify defects and verify functionality across multiple platforms and environments
- Product Development Researcher**, TraceCloud – San Jose, CA May 2024 – Aug 2024
- Researched various libraries such as Mermaid.js and Joint.js+Rappid for new features
 - Built POCs using Mermaid.js and Joint.js+Rappid to replicate Google Flowcharts API.
- Volleyball Coach**, Next Level – Tracy, CA May 2024 – Aug 2024
- Led team meetings with parents, coaches and players to discuss progress, expectations, goals and objectives
 - Maintained relationships with athletes serving as a mentor and role model

Projects

- Flowchart API Replica using Joint.js+Rappid** 2024
- Developed a comprehensive flowchart API replica front end inspired by Google's Flowcharts API, leveraging the capabilities of JointJS and Rappid libraries as a proof of concept for the viability of JointJs and Rappid for TraceCloud to integrate into the product.
 - Tools Used: JavaScript, HTML, CSS, JointJS + Rappid
- Graph-RAG Semantic Retrieval for Brand-to-Generic Drug Mapping** 2024
- Utilized a graph-based Retrieval-Augmented Generation (RAG) approach, combining semantic vector search with a Neo4j knowledge graph to model relationships between drugs, classes, manufacturers, and side effects for accurate and explainable recommendations.
 - Tools Used: Next.js, React, TypeScript, Tailwind CSS, Flask, Neo4j, Pinecone, Google Gemini API
- SP 500 Predictor using an LSTM model** 2024
- Designed and implemented an LSTM-based model to predict the daily closing prices of the S&P 500 index using historical stock data. Optimized model training and evaluation using TensorFlow and Keras, achieving improved accuracy and efficiency through hyperparameter tuning and data normalization techniques. Achieved a Mean Absolute Error (MAE) of 1.2 and a Root Mean Square Error (RMSE) of 1.8.
 - Tools Used: Python, NumPy, TensorFlow, Keras

Technologies

Languages: C++, C, Java, C#, SQL, JavaScript, Selenium, Python

Skills: System Testing, Machine Learning, Financial Accounting, Managerial Accounting