

# Vivek Reddy Suram

✉ viveksuram03@gmail.com    ☎ 575-463-2542    📍 1630 Wyoming Ave, Las Cruces, NM  
in [www.linkedin.com/in/vivek-reddy-suram-19b20a2a6](https://www.linkedin.com/in/vivek-reddy-suram-19b20a2a6)

## 👤 PROFILE

Ambitious and highly motivated Information Technology Under-Graduate Student with experience in delivering complex engineering and software solutions to real-world challenges. Communicates concisely at all levels, applies an analytical approach to solve problems, and performs equally well independently and in team settings. Collaborates effectively in cross-functional team environments and cultivates trusted relationships with key stakeholders.

## 🎓 EDUCATION

2023 – present Las Cruces	<b>Master's In Computer Science</b> New Mexico State University
2020 – 2023 Hyderabad	<b>Bachelor of Technology (Information Technology)</b> CVR College Of Engineering

## 🧠 SKILLS

<b>• Programming Languages</b> Java, Python, C, React, Machine Learning	<b>• Web Technologies</b> JavaScript, HTML, CSS	<b>• Frameworks</b> Flask
<b>• Databases</b> My SQL & My SQL Workbench, PostgreSQL, MongoDB	<b>• Operating Systems</b> Windows, Linux, MacOS	

## 👜 PROFESSIONAL EXPERIENCE

06/2021 – 04/2023 Hyderabad, India	<b>Frigg business solutions</b> Web Developer Engineer(Intern) Collaborated on web development projects, focusing on enhancing user interfaces and optimizing website functionality. Applied skills in JavaScript, HTML, CSS, and the Flask framework to contribute to the development of responsive and interactive web applications. Worked closely with the development team to troubleshoot issues and implement innovative solutions, gaining valuable experience in the dynamic field of web development.
02/2024 – 05/2024 las cruces, New Mexico	<b>New Mexicoc State University</b> Embedded Systems Teacher Assistant I assisted with laboratory sessions, offered technical advice, and promoted students' learning in microcontroller programming and system design as a Teaching Assistant for the Electrical and Computer Engineering department's Embedded Systems course. I provided positive input to improve students' understanding while grading coursework and tests. In order to maintain a positive learning atmosphere, I worked with the instructor to create instructional materials and kept the lab equipment in good working order. My ability to accurately express complicated topics and my dedication to educational excellence were demonstrated by my crucial role in enhancing student engagement and comprehension in embedded systems.

## PROJECTS

### **YouTube Transcript Summarizer Using NLP and Flask**

- Developed a YouTube transcript summarizer using Flask and NLP techniques to distill key content from video transcripts.
- Implemented NLP algorithms for text summarization, transforming lengthy transcripts into concise summaries.
- Created a user-friendly web interface allowing users to input YouTube URLs and view the summarized content.
- Utilized extractive or abstractive summarization techniques for efficient content extraction.
- Integrated YouTube API for transcript extraction and metadata retrieval, enhancing user experience.
- Deployed the application on Heroku and managed version control using Git.

### **Stock Market Price Prediction Using ARIMA**

- Developed a stock market price prediction model using the ARIMA (Autoregressive Integrated Moving Average) time series analysis technique.
- Implemented ARIMA algorithms to forecast future stock prices based on historical data patterns.
- Utilized Python for data preprocessing, model training, and prediction.
- Employed data visualization techniques to analyze historical stock price trends and model performance.
- Validated and fine-tuned the ARIMA model for accurate predictions.
- Presented results through visualizations and insights derived from the predictions.

### **Data Harmonization and Collaborative Query Interface for Hospitality Operations Optimization**

- Developed a comprehensive hospitality management system integrating diverse entities within a robust database structure.
- Utilized MySQL as the backend database management system for storing and managing data efficiently.
- Implemented a Python-based query interface to interact with the MySQL database, enabling complex data retrieval operations.
- Designed the database schema to accommodate various aspects of hotel operations, including guest reservations, staff management, amenity deliveries, and more.
- Demonstrated proficiency in database design principles to ensure scalability, reliability, and performance of the system.
- Applied SQL queries effectively to retrieve relevant data for optimizing hotel operations and enhancing guest experiences.