Krishna Thakar

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Education:

Undergraduate in Computer Science w/ Minor: Data Science – 3.97 GPA   May 25'
Southeast Missouri State University
- Dean's List - Fall 22, Spring 23 & Spring 24
- President's List - Fall 22, Spring 23 & Spring 24

Coursera Certifications:

Supervised Machine Learning: Regression and Classification - Deeplearning.AI   Feb 24'
Exploratory Data Analysis for Machine Learning – IBM   June 24'

Job Experience:

Information Technology Staff – Southeast State Missouri University   Sept 23' – Present
- Provided prompt and efficient technical support to over 100 students and staff, resolving hardware and software issues.
- Managed the IT inventory for the lab, keeping track of all hardware and software assets and ensuring proper licensing and compliance.

Resident Assistant – Southeast State Missouri University   Jan 23' – Present
- Developed strong relationships with 60+ residents by actively listening to their concerns and effectively communicating essential information about campus resources, policies, and procedures.
- Organized and led 10+ community-building events per year, increasing resident participation and fostering a more inclusive and engaged environment.

Projects:

Echo Chamber | Python, Streamlit, NewsAPI, NLTK, Sklearn:
- I developed a platform that provides diverse news recommendations and conducts sentiment analysis on articles, achieving **60% accuracy in user recommendations.**
- The platform uses NewsAPI to fetch articles, NLTK for sentiment analysis, and a **TF-IDF-based recommendation system** in Python to provide users with accurate, personalized news suggestions.

Market Radar | Streamlit, Plotly, yfinance, Google Gemini API:
- I solved the problem of providing comprehensive financial analysis and stock data visualization by integrating real-time financial data and generative AI.
- This project enabled users to access detailed financial insights and interactive stock charts effortlessly. It facilitated informed decision-making by providing key financial metrics, recent news, and expert analysis, all in a user-friendly interface.

New York Housing Price Analysis | Python, Pandas, Scikit-learn, Matplotlib:
- I solved the problem of predicting real estate prices in New York using machine learning algorithms, achieving **an R^2 score of 0.85.**
- Implemented data cleaning, feature engineering, and model tuning to handle missing values and optimize accuracy and overcame challenges related to data imbalance and multicollinearity, significantly improving model performance.

Multi-Port Client-Server Application | Flask, Python, Socket Programming, Requests:
- Engineered a Flask and Python client-server solution, coordinating client registrations and message delivery across 3 ports, enhancing network robustness.
- Overcame challenges in maintaining continuous connectivity across multiple ports.

Technical Skills:

- **Programming Languages**: Python, PostgreSQL, HTML, CSS, JavaScript, Java
- **Tools**: Pandas, Scikit-learn, Seaborn, Plotly, Matplotlib, APIs, NLTK, Streamlit, Flask, PowerBI, PyTorch, TensorFlow