

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.
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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 **R² 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.

[PennyPlanner](#) | Streamlit, Python, Plotly, Pandas, OpenAI API:

- I resolved the need for **detailed financial breakdowns and visualizations** by parsing CSV data with Python, providing users with a clear view of their income, expenses, and transaction history, leading to better financial planning.
 - I addressed the challenge of **quick financial query resolution by integrating OpenAI's ChatGPT**, allowing users to receive instant answers to their financial questions, enhancing user experience
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Technical Skills:

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