

Kirti J. Bajaj

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Summary

A dynamic data scientist and financial analyst adept at leveraging Python programming and machine learning techniques to drive impactful solutions. With a strong foundation in data analysis and visualization tools such as Power BI and machine learning (NLP).

Skills

- **Programming & Data Science:** Python (Pandas, Numpy, Scipy, Scikit), TensorFlow, Machine Learning, NLP
- **Data Visualization:** Power BI, Tableau, MS Excel
- **Finance & Accounting:** Financial Analysis, Accounting Principles
- **Databases:** SQL, MongoDB
- **Web Development & APIs:** FastAPI, Flask, Streamlit
- **DevOps & Cloud:** Git, Docker, AWS

Experience

Data Scientist, Biyani Technologies PVT LTD (04/2023-Present)

- Designed and executed a comprehensive text-to-speech module for the Digital Language Lab, expanding user inclusivity
- Developed a news aggregator for children, implementing ETL pipelines and standardized data workflows.
- Built and deployed a chatbot using Python, Langchain, OpenAI, RAG, Vector Database, Embeddings, and Streamlit for DLL and CMS software.
- Conducted web scraping of various college websites, providing the sales team with valuable lead information.

Data Scientist Intern, Ineuron.ai (04/2023-07/2023)

- Developed a machine learning system for predicting insurance premiums with 86% accuracy using gradient boosting techniques.
- Conducted data collection, EDA, and applied statistical methods to enhance prediction accuracy.

Jr. Financial Analyst, P Maloo & Associates (07/2022-08/2023)

- Conducted financial analysis, extracting key insights from financial statements, and delivering data-driven findings. Utilized MS Excel for data analytics and client data management. Led stock audits to ensure data accuracy, addressed discrepancies, and executed detailed vouching and financial audits.

Projects

[Taxkiller: A Website for Tax Savings \(Ongoing\):](#)

- Conceptualized and developed the "Taxkiller" website to help users maximize tax savings, utilizing FastAPI for a scalable backend and designing a user-friendly interface.
- Designed an intuitive user interface to guide users through complex tax laws, simplifying the process of identifying potential deductions and exemptions.

[Chatbot with RAG:](#) (Biyani Technologies)

- Developed a custom chatbot application capable of reading PDF files and answering user queries about their content.
- Leveraged OpenAI for embedding generation, combined with generative AI and a vector database (Faiss).
- Created a user-friendly interface using Streamlit, enabling users to easily upload PDFs and interact with the chatbot.

[News Feed Aggregator:](#) Biyani Technologies

- Designed and implemented ETL pipelines for a news app, ensuring efficient data processing and integration. Preprocessed and stored data in SQL, leveraging efficient database management
- Created robust handlers to manage various news providers, standardizing data collection and processing.

Education

- Bachelor of Commerce: 8.81 CGPA 2019-2022

Certification