BHAVANISH DHAMNASKAR

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EDUCATION

Master of Science in Information Systems | Northeastern University, Boston, MA   **May 2024**

Relevant Courses: , Advance Data Science, Generative AI with LLMs, Machine Learning in Fintech

Bachelor of Engineering in Computer Science and Engineering | University of Mumbai, India   **May 2022**

PROFESSIONAL EXPERIENCE

Data Scientist | Prime Software Solutions   **Oct 2021 – Aug 2022**

- Collected, cleaned, and preprocessed large datasets from financial reports, client interactions, and transactions using **Python** and **SQL**, improving data accuracy and readiness for analysis by 30%
- Built and optimized **ARIMA**-based time-series forecasting models to predict quarterly client revenue with a 92% accuracy, improving financial planning and resource allocation.
- Developed a **regression**-based **pricing optimization model** that improved profit margins by 15% through data-driven pricing strategies tailored to client demand patterns
- Conducted **topic modeling** on large datasets to enhance search functionality and content categorization for client
- Performed **sentiment analysis** on customer review datasets, generating actionable insights into client satisfaction and preferences, contributing to 15% increase in positive B2B feedback
- Built financial reports and dashboards using **Tableau**, delivering key insights that enhanced data-driven decisions across sales and accounting teams, leading to a 20% increase in operational efficiency

Data Analyst Intern | Kotak Bank   **Jun 2021 – Sep 2021**

- Leveraged **Excel** VLOOKUP and pivot tables for customer data analysis for aligning loan offers with preferences
- Crafted **SQL** queries for loan data analysis, identifying key risk factors and optimizing credit thresholds, leading to a 15% reduction in default rates
- Executed REST API calls using **Postman** and **PowerBI** with DAX formulas to create key performance indicators (KPIs) metrics for budget report analysis
- Analyzed monthly financial performance reports using **PowerBI**, identifying key trends and preparing variance explanations to enhance strategic decision-making and executive reviews

PROJECTS

Finberg | LLM, Hugging face, Pinecone, Neo4j   **Jan 2024 – Mar 2024**

- Integrated real-time data extraction with **Kafka** into the language model, for financial and predictive analysis
- Fine-tuned **Hugging Face**'s pre-trained transformers, enhancing query analysis and financial interpretation
- Implemented **Pinecone** for large-scale vector embedding optimizing semantic search capabilities
- Utilized **Neo4j** for graph-based price analysis and financial forecasting, effectively addressing complex financial

CodeSage | LLM, Airflow, GPT-4, Snowflake, GCP, Docker   **Oct 2023 – Dec 2023**

- Built a model using **BERT** and **GPT-4** to extract, summarize, and find solutions to GitHub issues
- Integrated **Snowflake** for metadata storage and employed **Milvus** for vector embedding
- Automated **CI/CD** processes with an Apache **Airflow** pipeline for accurate issue matching and summarization
- Created UI with **Streamlit**, deployed on **GCP** Service using **Docker** containers to ensure scalability and security

Google Stock Analysis | Machine Learning, Deep Learning   **Sep 2023 - Dec 2023**

- Extracted real time data, cleaned, processed into a features dataset, conducted statistical analysis using **SAS**
- Applied feature selection algorithm, achieved 98% accuracy with **KNN** for stock prediction
- Predicted real-time stock prices and investment returns with 96% accuracy using an **LSTM** model

TECHNICAL SKILLS

Languages & Database : Python, R, SQL, HTML/CSS, JavaScript, MySQL, SSMS, MongoDB, PostgreSQL

BI & Cloud Tech   : Alteryx, Talend, Tableau, Power BI, Excel, QlikView, Azure, AWS, Snowflake, Databricks

Tools & Frameworks   : Docker, CI/CD, SAS, ER-Studio, Git, Jira, ServiceNow, Airflow, FastAPI, Streamlit, Kafka

PUBLICATION

Smart Road Maintenance: A Machine Learning and IoT based Approach   **May 2022**