ANKIT BALIYAN

• +91 9958631596 • a.baliyan008@gmail.com • LinkedIn • GitHub •
• City: Meerut (UP) – 250611 •

Summary

Adaptative professional with a fervent interest in Data Science, Machine Learning and Data Visualization, underpinned by a robust proficiency in Python and a talent for storytelling. I possess a quick-learning aptitude that consistently translates into exceeding performance benchmarks in diverse operational landscapes.

Skills

- Machine Learning Algorithm (Regression, Classification, NLP, Time Series, Building pipelines) for predictive Analysis
- Generative AI: Large Language Model using Open AI, Google Generative AI, and Llama2 ,
- Business Intelligence / Data Visualisation (with Python, Tableau, PowerBI)
- Advanced Excel, Feature Engineering, Statistical Analysis, Hypothesis Testing

Tools Known

- Python, MySQL, R-Programming, Tableau, PowerBI, Streamlit, Django Framework, Azure web app Deployment

Completed Projects

Advanced Large Language Model (LLM) Initiatives

- Development of an Interactive Chat Bot leveraging OpenAI and Google's Generative AI APIs.
- Deployed interactive Web App for Sentiment analysis using OpenAI's best in class "gpt-4-1106-preview" model.
- Designed and deployed Web App using LLM to generate response from given resources over Django Framework.
- Designed a Streamlit web application for real-time stock market analysis tailored to user-specified stocks.

Inventory forecast for BPCL - Time Series forecasting

- Interpreting complex data sourced directly from business including Data Exploration and Pre-processing.
- Developed complex Time Series forecasting model for inventory demand at depot level.
- Optimized inventory at depot level to add to business value. (Python – used ARIMA, Prophet, TS clustering, etc.)

Don't Get Kicked - Classification Model

- Applied advanced ML technique to predict if the car buy at action is a bad deal.
- Performed data preprocessing and addressed a significant class imbalance (87:13) in the target variable.
- Optimized the hyper parameter to get a commendable class-1 F1 score exceeding 0.16 on an unseen dataset.

Stock Market Momentum Trading (* on-going)

- Spearheaded stock analysis project, leveraging web scraping techniques to gather and curate historical data.
- Phase I: Conducted an in-depth quantitative assessment of stocks, evaluating their performance across key financial metrics, including AR, CAGR, MA, Most positive trading days, etc.
- Phase II: Devised and executed a sophisticated Monte Carlo simulation model to optimize portfolio allocation, strategically determining the allocation of funds to identify high performance stocks, aimed at max returns.

Academics

Indian Institute of Management, Indore   *Sept 2022 – Aug 2023*
Integrated Program in Business Analytics

- Ranked 2nd in batch of 83 (score: 3.96/4.33)
- Learned EDA, Feature Engineering, Data pre-processing and various kind of ML models including Deep Learning

University of Delhi, Delhi   *July 2013 – May 2017*
B. Tech in Electronics

- Academic score: 71.4%
- "The Helping Hand: Smart Glove using Flex Sensors": Build a low cost proto-type hand glove that bridge the communication gap for mute people and published research paper in DU Journal - link

Work Experience

Amazon Development Center India Ltd.   *Sept. 2021 - Present*

- Proficiently managed a daily workload of 40+ cases per day with a remarkable 95% in quality score.
- Analyzed data from 25+ advertising campaigns daily, evaluating performance against over 10 key performance indicators (KPIs) with the assistance of dashboards and scorecards. This allowed for data-driven recommendations and precise optimization strategies.
- Expertly communicated campaign insights, utilizing dashboards and performance scorecards, to business experts.
- Increased productivity by 10% by analyzing performance metrics and effective communication with a team of 40.