

Anujay Kalbhor

Mumbai, Maharashtra

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Summary

Enthusiastic and detail-oriented PG-DBDA graduate with a strong foundation in Computer Engineering, passionate about transforming data into actionable insights. Skilled in Python, Machine Learning, Big Data, and AWS Cloud, with hands-on experience delivering end-to-end AI/ML solutions — from data acquisition and preprocessing to deployment and visualization. Recognized for problem-solving, adaptability, and collaborative teamwork, with a proven ability to lead projects, plan effectively, and deliver under tight deadlines. Excited to contribute to innovative teams leveraging data science to solve real-world challenges.

Projects

Stock Market Price Prediction using News Sentiment Analysis

[GitHub Link](#)

- Developed a full-stack Flask web application for forecasting stock prices via bidirectional GRU models enhanced with news sentiment analysis (bullish/bearish/neutral).
- Designed an interactive dashboard using Plotly and Bootstrap to visualize real-time market data and AI predictions for 50+ major stocks (e.g., AAPL, MSFT, NVDA).
- Integrated an AI chatbot to handle stock-related queries, improving interactivity and user experience.
- Achieved high predictive performance with average accuracy of ~88.8%, as reported across multiple stocks.

End-to-End Text Summarization using NLP and AWS Deployment

[GitHub Link](#)

- Fine-tuned a FLAN-T5 model for abstractive summarization, achieving a ROUGE-L score of 48.51.
- Containerized the solution with Docker and deployed on AWS EC2 for scalable access.
- Automated deployments using GitHub Actions CI/CD pipelines, reducing manual setup time.
- Resolved issues related to Docker, port allocation, and environment configuration.

Stock Market Data Analysis and Trend Forecasting using PySpark

[GitHub Link](#)

- Analyzed 8.5K+ rows of Tata Motors stock data on Databricks using PySpark, optimizing queries for faster execution compared to Pandas.
- Implemented ARIMA(5,1,0) to generate 30-day forecasts, achieving RMSE of 104.02 and MAPE of 10.92%.
- Built interactive visualizations to detect stock patterns and deliver actionable insights.

Education

2025 - Present	PG-DBDA at CDAC	
2020 - 2024	BE Computer Engineering at PDEA's COE , Pune University	(73.1%)
2018 - 2020	Class XII (Science) at Prithviraj Kapoor Junior College	(60.0%)
2016 - 2018	Class X at Prithviraj Kapoor Memorial High School	(73.6%)

Certificates

- IBM SkillsBuild – Python for Programmers
- Fusion Software Institute – Data Science Course
- CSRBOX – Data Analytics Internship

Skills

- **Programming:** Python, SQL, Java, PySpark
- **Cloud:** AWS (EC2, S3, IAM), MLOps, CI/CD
- **ML/AI:** NLP, Deep Learning, Transformers, Sentiment Analysis
- **Visualization:** Power BI, Tableau
- **Big Data:** Apache Spark, Databricks, MongoDB
- **Soft Skills:** Communication, Problem Solving, Teamwork, Leadership