MOHD AFHAM

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PROFESSIONAL SUMMARY

Results-driven Data Analyst and aspiring Data Scientist with proven experience in data wrangling, statistical analysis, cloud computing (AWS), and building scalable LLM-powered tools. Skilled in Python, SQL, data visualization (Power BI), and deploying data pipelines. Eager to leverage strong foundation in machine learning and ETL development for business intelligence and decision-making.

EDUCATION

Lords Institute of Engineering and Technology   Hyderabad, Telangana
Bachelor of Engineering in Computer Science (Data Science)   *Aug 2021 – May 2025*

EXPERIENCE

AWS Cloud Administrator Intern   Aug 2023 – Sep 2023
Samfas Labs   *Hyderabad, Telangana*
- Provisioned scalable AWS infrastructure using CloudFormation templates and EC2 instances.
- Monitored performance metrics and automated alerts via CloudWatch and SNS for proactive issue resolution.
- Conducted root-cause analysis and optimized system reliability using logs and incident reports.

PROJECTS

BuzzInsight | *Python, ETL, Data Visualization*   Jun 2025 – Jul 2025
- Engineered a real-time analytics platform for social media sentiment analysis and trend tracking.
- Utilized Reddit API to ingest raw data, performing cleansing and transformation for reliable analysis.
- Developed interactive dashboards using visualization libraries to present key insights.
- Gained hands-on experience in building an end-to-end data pipeline from ingestion to visualization.

Hybrid Information Mixing for Stock Prediction | *GRU, BERT, MLP*   Apr 2025 – May 2025
- Developed a hybrid MLP-based model to predict stock movement using time-series and semantic features.
- Extracted price patterns with GRU and textual semantics from financial news via BERT embeddings.
- Designed a dual-layer MLP fusion module to enhance multimodal interactions between data modalities.
- Improved prediction metrics: achieved higher F1 Score and MCC on StockNet dataset benchmarks.
- Applied advanced NLP and deep learning to capture market volatility from structured and unstructured data.

Cold Email Generator (LLM) | *Python, NLP, LangChain, Streamlit, REST APIs*   Aug 2024 – Sep 2024
- Engineered full-stack application for personalized email generation using GPT-based models and LangChain.
- Constructed NLP pipeline for parsing job descriptions and matching user skills from resumes.
- Deployed scalable ChromaDB query layer to filter candidate portfolios via semantic search.

Power BI Dashboard for Blinkit | *ETL, Power Query, KPI Visualization*   May 2024 – Jun 2024
- Designed KPI dashboards showcasing sales trends, customer satisfaction, and inventory turnover.
- Performed ETL data cleaning and normalization to enhance data quality and reliability.

SKILLS

Programming: Python, SQL, HTML, Shell Script
Data: Pandas, NumPy, Power BI, Seaborn, Matplotlib, ChromaDB, OpenAI APIs
Dev Tools: Git, GitHub, VS Code, PyCharm
Cloud & APIs: AWS (EC2, S3, SNS, CloudFormation, CloudWatch), REST, LangChain, Twitter API
Concepts: Data Wrangling, ETL Pipelines, Data Visualization, Machine Learning Basics, LLM Integration
Certifications: IBM Python for AI, IBM Tools for Data Science