Aleem Wadhwaniya

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EDUCATION

Humber College   Toronto, Canada
Ontario Graduate Certificate in Information Technology Solutions   *Jan 2024 – Sept 2025*

Indus University   Ahmedabad, India
Bachelor of Technology in Computer Science   *Aug 2019 – Jun 2023*

EXPERIENCE

Data Analyst Co-op   Apr 2025 – Sept 2025
Toronto United Church of Council   *Toronto, Canada*

- Analyzed and reported on over 80K monthly chatbot queries using a retrieval-augmented generation (RAG) pipeline, providing insights that reduced the manual moderation workload by 75% across 15+ organizations
- Conducted advanced data analysis using RoBERTa sentiment analysis and BERTopic topic modelling, along with applying 35+ preprocessing filters to noisy production data, ultimately improving classification accuracy by 65%.
- Monitored key pipeline performance metrics (99.8% uptime) to ensure data integrity for reporting, resulting in a 40% reduction in processing costs (GPU utilization)

Data Analyst   Jan 2023 – Oct 2023
Visuareal Inc   *Ahmedabad, India*

- Analyzed Computer Vision (CV) model performance metrics (YOLOv8 + SAM) to improve detection accuracy by 42%, while leading a 7-member team to integrate the models into an AR SaaS platform
- Automated data workflows to ensure consistent, reliable reporting updates and enabled weekly production releases with zero downtime.
- Built interactive dashboards using Tableau and Looker Studio with predictive analytics, translating complex data into actionable insights for stakeholders, and improving campaign conversion rates by 25%

Data Analyst Intern   Jun 2022 – Nov 2022
Indus University   *India*

- Designed a performance tracking platform integrating YouTube, Twitter, and Instagram data using Python & SQL, enabling creators to refine strategies.
- Applied ML-based sentiment analysis on Twitter data, automating insights and improving engagement by 10%
- Built interactive Power BI dashboards, increasing creator visibility and performance monitoring by 8%.

TECHNICAL SKILLS

Languages & Analytical Skills: Python, SQL, R, Excel VBA, A/B Testing, Hypothesis Testing
Data Visualization & BI Tools: Microsoft Power BI, Tableau, Looker, Microstrategy, Microsoft Excel, PowerPoint
Advanced Analytics & ML: Pandas, NumPy, Scikit-learn, NLP, LLMs, RAG, BERTopic, PyTorch, TensorFlow, XGBoost
Cloud & Big Data: Google Cloud Platform (GCP), BigQuery, AWS, Teradata, Hadoop, PySpark, Hive

PROJECTS

SyncScribe AI | *Python, PyTorch, Cohere API, Gemini, FAST API, GenAI, JavaScript*   GitHub
- Developed an AI-powered meeting assistant to transcribe, summarize, and extract tasks, cutting manual note-taking by 60%.
- Integrated Zoom with speaker identification and task extraction, improving retention and follow-up accuracy.
- Applied LLM ranking and correction workflows, enhancing output quality and usability.

TTC Subway Delay Prediction | *Python, SQL, Machine Learning, EDA, Scikit-learn*   GitHub
- Built supervised ML models in Scikit-learn to predict subway delays, improving forecasting accuracy by 15%.
- Conducted ETL and EDA to identify root causes of delays, transforming raw transit logs into actionable insights.
- Delivered results to stakeholders through a data pipeline & reporting system, supporting transit planning.

Stock Trend Forecasting & Time-Series Analysis - Hackathon Winner | *LSTM, GNN*   GitHub
- Built hybrid time-series + graph ML pipeline for stock prediction, improving return accuracy by 18%; won 1st placeamong 50+ teams.