

Lohit Bingi

Data Analyst

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SUMMARY

- Data Analyst with 5+ years of expertise in **Python, R, SQL, PySpark** with expertise in predictive modeling, statistical analysis, and A/B testing.
- Experienced in **ML/DL models** using **Scikit-learn, TensorFlow, PyTorch, BERT, SpaCy, Pandas, NumPy** for analytics and NLP.
- Skilled in **data visualization** with **Tableau, Power BI, Streamlit, Qlik Sense, Matplotlib, Plotly** to deliver actionable insights.
- Strong background in **ETL pipelines, big data, and cloud platforms (AWS, Google Cloud, Hadoop, Azure Data Factory)**.
- Knowledgeable in **CRM analytics (Salesforce)**, GDPR compliance, and integrating external datasets for model accuracy.

SKILLS

Programming Languages: Python, R

Data Analysis & Visualization: Tableau, Power BI, Streamlit, Matplotlib, Plotly, Qlik Sense, Jupyter Notebooks

Machine Learning & Data Mining: Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy

Databases & SQL: MySQL, Hadoop, SOQL, SQL

Techniques: Predictive Modeling, Statistical Analysis, A/B Testing, Hypothesis Testing

Cloud Platforms: AWS, Google Cloud

CRM Systems: Salesforce

WORK EXPERIENCE

Innovative Business Concepts | NY | Data Analyst

October 2023 – Current

- Designed and deployed 15+ interactive Tableau dashboards with dynamic filters and calculated fields to visualize key metrics such as case statuses, approval rates, and processing times, enabling stakeholders to monitor KPIs and reduce case backlog by 15%.
- Conducted sentiment analysis on 500,000+ asylum seeker application narratives using BERT and SpaCy, identifying key themes (e.g., persecution, family reunification) to improve case prioritization efficiency by 25%.
- Built and optimized ETL pipelines using Apache Spark (PySpark) and AWS Glue, reducing data processing time by 40% and enabling real-time analysis of 100 GB of structured and unstructured data.
- Integrated 3 external data sources (UNHCR datasets, World Bank socioeconomic indicators, government immigration statistics) using APIs and Python scripts, improving model accuracy by 12%.
- Ensured GDPR compliance by implementing data anonymization and access control mechanisms, promoting data security and governance best practices.

Metropolitan Transportation Authority | USA | Data Analyst

July 2022 – May 2023

- Built predictive models with Python and Scikit-learn to forecast toll revenue, increasing budget planning accuracy by 20%. Developed 10+ dashboards in Power BI and Streamlit for key metrics like traffic volume and toll revenue, enhancing decision-making for management.
- Collaborated with data engineering teams to create and maintain data pipelines using Python, Azure Data Factory, and SQL, improving data accuracy by 15% and enabling clear metrics on CBD transit use.
- Conducted in-depth ad-hoc analysis with SQL and Pandas, leading to targeted interventions that reduced traffic incidents by 12%.
- Delivered 5+ proof-of-concepts to test solution designs.
- Created and maintained documentation for each dashboard and data process, ensuring scalability and supportability of BI solutions.

Amazon | India | Fraud Risk Analyst

August 2019 – August 2021

- Assisted in building a fraud detection data pipeline that processed 500GB of transaction data daily, reducing latency by 20% and enabling real-time fraud monitoring.
- Optimized SQL queries for fraud risk databases, improving query performance by 35% and reducing server costs by 15%.
- Supported the migration of 5+ legacy fraud datasets to a cloud-based data warehouse (AWS), improving data accessibility and scalability.
- Contributed to the development of a machine learning pipeline for fraud detection, reducing model training time by 25% and improving the accuracy of fraud predictions by 10%.

CERTIFICATIONS

Google Data Analytics Specialization Certification (Coursera), Data Analytics – Cisco, Data Analytics & Visualization – Accenture Python for Data Analysis: Pandas and NumPy

EDUCATION

New Jersey Institute of Technology

Master's in Data Science

Visvesvaraya Technological University, India

Bachelor's in Information Science