VIKRANT THENGE
Data & Analytics Professional | Python ● SQL ● Power BI ● Machine Learning

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GitHub | Vikrant | (9 Live Apps)

Dombivli, Mumbai, India

Available Immediately

KEY IMPACT HIGHLIGHTS

- Reduced system downtime by **25%** using predictive maintenance ML models deployed on AWS.
- Improved profitability by **12%** with revenue forecasting and scenario-based optimization.
- Enhanced risk detection by **15%** using classification models and Databricks pipelines.
- Accelerated reporting turnaround by **20%** with automated ETL workflows and interactive dashboards.

PROFESSIONAL SUMMARY

- Deliver forecasting, risk modeling, and automation solutions that strengthen decision-making and surface early business risks.
- Build end-to-end analytical systems using Python, SQL, Power BI, machine learning models, and cloud platforms.
- Focus on KPI forecasting, anomaly detection, NLP-driven insights, and ETL automation.
- Bring operational experience where accuracy, speed, and real-time decisions directly impacted performance.

FEATURED PROJECTS

Predictive Maintenance Optimization | Python, AWS, Streamlit, Time Series
- Deployed anomaly-detection models that reduced equipment downtime by **25%**.
- Developed time-series forecasting workflows to optimize maintenance schedules, cutting logistics cost by **18%**.
- Published an interactive diagnostic interface for early-warning signals and risk scoring.

Revenue Forecasting & Profitability Engine | Power BI, Excel, Python, Prophet
- Devised demand and cost forecasting models, boosting planning precision by **20%**.
- Used scenario simulation to identify pricing and allocation strategies that increased profitability by **12%**.
- Built a Power BI dashboard for real-time KPI tracking and variance insights.

Operational Safety & Risk Analytics | Python, SQL, PySpark, Databricks, Delta Lake
- Engineered automated ETL pipelines processing **5+** years of operational and compliance data.
- Engineered ML classification models to detect safety and procedural risks, boosting early detection by **15%**.
- Delivered risk dashboards and rule-based alerts supporting audit and compliance reviews.

Customer Sentiment & NLP Analyzer | Python, spaCy, Transformers, Streamlit
- Processed customer feedback data using NLP pipelines (tokenization, vectorization, sentiment scoring).
- Built a Streamlit app to visualize trends with keyword extraction and issue clustering.
- Integrated CI/CD using GitHub Actions for automated testing and deployment.

PROFESSIONAL EXPERIENCE

Analytics Consulting & Portfolio Projects (Remote)   08/2024 – Present
- Formulated dashboards and simulation models improving planning accuracy by **25%**.
- Designed forecasting engines (time-series + regression) achieving **20%** improved accuracy.
- Automated reporting workflows using Python, SQL, Power BI, and Streamlit.

Station Manager (Data-Driven Operations & Reporting)   11/2023 – 07/2024
UNACL   Mumbai
- Implemented KPI-based workflow improvements raising service consistency by **20%**.
- Collaborated with procurement to cut vendor-related delays by **18%**.
- Embedded analytics into daily operations, reducing planning cycles by **30%**.

Flight Operations Supervisor   07/2019 – 08/2022
All Nippon Airways   Mumbai & Chennai
- Analyzed scheduling and resource data, reducing operational costs by **12%**.
- Implemented compliance-tracking tools improving reporting accuracy by **30%**.
- Developed Power BI dashboards that cut reporting effort by **20%**.

- During the period after this role, focused on advancing analytics skills through hands-on work in Python, forecasting models, and ETL automation to support a transition into data roles.

Early Career — Aviation & Travel   (2004–2019)
Multiple roles across Cathay Pacific (CNS India), Saudi Arabian Airlines, Alepo Technologies, BWFS, Garuda Indonesia.
- Earlier experience in aviation and travel operations across multiple international airlines, supporting documentation, reporting, and vendor coordination.

SKILLS & TOOLS

Analytics:
Forecasting, Predictive Modeling, Risk Analytics, NLP, KPI Analysis, Time Series, ETL, Cohorts.

Programming:
Python (Pandas, NumPy, Scikit-learn, spaCy, Transformers), SQL, Excel (Macros).

Visualization:
Power BI, Tableau, Streamlit.

Cloud & Data: AWS, GCP, Databricks, Delta Lake, Snowflake (concepts), PostgreSQL, MySQL.

AI/GenAI:
Prompt Engineering, CI/CD for ML Apps, Model Packaging.

CERTIFICATIONS & LICENSES

Data Science with Python
Business Analysis
Advanced Google Analytics
Power BI & Tableau
AWS Cloud Computing
Databricks Data Engineer Associate
FAA Flight Dispatcher License (B737)

EDUCATION

B.Sc. Computer Science
North East Frontier Technical University

LANGUAGE PROFICIENCY

English — 5/5
Marathi — 5/5
Hindi — 5/5
Japanese — 1/5