

VIKRANT THENGE

Data Analyst | Analytics Engineer | Python • SQL • ML • BI • Cloud



PROFESSIONAL SUMMARY

- Skilled in Python, SQL, and Power BI with hands-on experience in forecasting, classification, ETL automation, and dashboard development.
- Built end-to-end analytics projects covering time-series forecasting, ML modelling, KPI reporting, and Streamlit-based applications.
- Strong in data cleaning, feature engineering, and translating business requirements into clear data logic.
- Open to Data Analyst, BI Analyst, ML Analyst, and Analytics Engineering roles.

FEATURED ML & ANALYTICS PROJECTS

Predictive Maintenance – Python, scikit-learn, Streamlit

- Built a classification model to predict component failure using historical maintenance and sensor data.
- Performed feature engineering, model training, and cross-validation to improve prediction accuracy.
- Deployed the model with a Streamlit UI for real-time scoring and interactive result exploration.

Workforce & Resource Forecasting – Python, Power BI, Excel

- Developed forecasting models to predict workload vs manpower availability for shift and resource planning.
- Automated data preparation and trend analysis in Python to reduce manual effort.
- Built Power BI dashboards for staffing visibility, planning scenarios, and variance insights.

Flight Delay Predictor – Python, SHAP, scikit-learn

- Created a classification model to estimate flight delay risk using operational and historical data.
- Applied SHAP explainability to identify key factors driving delay outcomes.
- Delivered plots and dashboards to visualize predictions, feature importance, and model behavior.

Sentiment Analysis Tool – Python, NLP, Streamlit

- Built an NLP pipeline for sentiment classification using tokenization, text cleaning, and ML models.
- Extracted keywords and performed text preprocessing for improved model accuracy.
- Published an interactive Streamlit interface for real-time sentiment scoring.

PROFESSIONAL EXPERIENCE

Analytics Consulting & Portfolio Projects

08/2024 – Present
Remote

- Built interactive dashboards and **what-if scenario tools** in Power BI and Excel to support manpower planning and resource allocation.
- Developed time-series and regression forecasting pipelines, improving planning accuracy by **20-25%**.
- Automated reporting templates and data-prep workflows using Python and SQL, reducing manual effort for recurring analysis.

Operations & Performance Manager

11/2023 – 07/2024
Mumbai

UNACL

- Built KPI dashboards for daily station performance, reducing manual reporting by **40%**.
- Analyzed delay patterns, staffing variance, and vendor SLAs using SQL + Excel.
- Automated daily/weekly reports and improved data flow for leadership reviews.
- Implemented data-driven workflow fixes that improved planning accuracy.

Operations & Performance Supervisor

07/2019 – 08/2022
Chennai & Mumbai

All Nippon Airways

- Developed Power BI dashboards for OTP, turnaround time, and staffing metrics.
- Analyzed manpower, scheduling gaps, and cost-impacting delays.
- Streamlined reporting processes and improved data accuracy across teams.

Operations Analyst

12/2016 – 06/2019
Mumbai

Garuda Indonesia

- Produced KPI reports and automated recurring templates in Excel.
- Investigated vendor delays and SLA compliance using structured data logs.
- Supported operations with insights on resource allocation and daily performance.

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Vikrant Thenge | LinkedIn

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GitHub | Vikrant Thenge |

Dombivli, Mumbai, India

Available Immediately

TECHNICAL SKILLS

Programming

Python (Pandas, NumPy, scikit-learn)
SQL (Queries, Joins, CTEs, Aggregations)

Machine Learning / AI

Classification Models
Time Series Forecasting
NLP (Text Cleaning, Tokenization, Sentiment)

Feature Engineering

Model Evaluation & Cross-Validation
SHAP (Explainability)
Hyperparameter Tuning

BI & Reporting

Power BI (DAX, Power Query, Data Modelling)
Excel (Pivot Tables, Lookups, Automation)

KPI Dashboards & Performance Reporting

Cloud & Tools

AWS (EC2, S3)
Databricks
GitHub
GCP (Basic)

Deployment

Streamlit Apps
GitHub Projects
Model Packaging & Deployment

Data Engineering

ETL Pipelines
Data Cleaning & Transformation
Automation Scripts
Dataset Preparation

CERTIFICATIONS

Data Science Program

Google Data Analytics

AWS Cloud Practitioner

Databricks Lakehouse

Generative AI

SQL

Python

Power BI

EDUCATION

B.Sc. Computer Science

North East Frontier Technical University

LANGUAGE PROFICIENCY

English

Marathi

Hindi

Japanese



EARLIER EXPERIENCE (2004-2015)

Operational and MIS roles across **Cathay Pacific**, **Saudi Arabian Airlines**, and **Alepo Technologies**, supporting data logs, reporting workflows, vendor coordination, and flight operations.

(Full details available on request)



INTERNSHIPS & TRAINING (2022-2023)

- TMLC – Data Analytics Intern – 2022-2023
- Unschool – Data Analyst Intern – 2022-2023
- Solar Secure Solutions – Data Analyst Intern – 2022-2023