

VIKRANT THENGE

Data & Analytics Professional | Python • SQL • Power BI • Machine Learning



KEY IMPACT HIGHLIGHTS

- Data & Analytics Professional driving transformation by converting **operational complexity** into **measurable business outcomes**.
- Designs and delivers production-grade analytics – **ETL pipelines, predictive models, and BI dashboards** – enabling faster, data-driven decisions.
- Core strengths: **Python, SQL-based modeling, Time-Series Forecasting, ML Explainability (SHAP), and GenAI-powered automation.**
- Skilled in **Power BI, Tableau, and hands-on deployments across AWS, GCP, Databricks, and Streamlit.**
- Deep domain experience in **airline operations**, with proven results in **forecasting, risk mitigation, and efficiency optimization**
- Target role: Leading **analytics strategy or predictive solutions** that drive **revenue uplift, operational efficiency, and risk reduction.**

PROFESSIONAL SUMMARY

- Delivered **predictive maintenance models** that cut **system downtime** by **25%** and reduced **logistics costs** by **18%** through time-series optimization.
- Implemented **demand forecasting and pricing models** that increased **profitability** by **12%** and boosted **forecast accuracy** by **20%**.
- Built **ML-based risk detection classifiers and operational pipelines**, improving early **incident detection** by **15%** (model accuracy $\approx 80\%$).
- Reduced **reporting turnaround** by **20%** and accelerated decisions with **automated ETL pipelines and interactive Power BI dashboards.**
- Deployed **7+ production-facing analytics apps (Streamlit, Hugging Face, Heroku)** to operational teams, lowering **decision latency** and increasing **user adoption.**

PROJECTS

Financial KPI Forecast & Risk Tracker | Python, Power BI, Prophet

- Designed and launched an interactive dashboard integrating Prophet models to forecast revenue, expenses, and cash flow with **25% higher accuracy**
- Automated KPI tracking and variance alerts across multiple data sources, cutting financial reporting time by **70%** and improving risk response speed by **40%**

Live Dashboard: <https://kpi-risk-tracker-finance.streamlit.app>

Flight Delay Predictor | Python, Scikit-learn, Streamlit, Plotly, Shap

- Built and released a branded Streamlit app predicting flight delays, achieving **82% accuracy**, and reducing prediction latency to under **1 second**
- Trained Random Forest model with probability outputs and SHAP-based feature importance, improving model transparency and feature alignment by **100%.**

Live App: <https://flight-delay-predictor-pulse.streamlit.app>

Airline Sentiment Analyzer | Python, NLP, Hugging Face, Streamlit, spaCy

- Launched NLP app analyzing sentiment from uploaded CSVs.
- Implemented CI/CD pipelines using GitHub Actions to automate linting, testing, and deployment to both Streamlit Cloud and Hugging Face Spaces.

Live App: <https://sentiment-analyzer-vikrant.streamlit.app>

Predictive Maintenance Optimization | Python, AWS EC2, Streamlit, Time Series

- Deployed anomaly-detection and forecasting models that reduced equipment downtime by **25%.**
- Optimized maintenance schedules with time-series models, cutting costs by **18%.**

Live Dashboard: <https://predictivedashboard-vikrantthenge.streamlit.app/>

PROFESSIONAL EXPERIENCE

Analytics Consulting & Portfolio Projects - Remote 08/2024 – Present

- Crafted interactive dashboards and simulation models in Power BI and Excel, increasing planning accuracy by **25%.**
- Spearheaded forecasting using time series and regression, boosting accuracy by **20%**

Station Manager (Data-Driven Operations, Analytics Project) 11/2023 – 07/2024

UNACL Mumbai

- Led KPI-based workflow optimization, improving turnaround and service by **20%.**
- Partnered with procurement teams, cutting vendor delays by **18%.**
- Embedded analytics into daily operations, accelerating planning cycles by **30%.**

Analytics Internships & Training Roles| Remote 10/2022 – 10/2023

- **Supply Chain Analytics (Unschool):** Forecasted transport delays with Python & SQL lowering delivery issues by **15%.**
- **Data Science Trainee (Solar Secure Solutions):** Improved dataset quality by **15%** via validation and cleaning.
- **ML Intern (TMLC):** Optimized SAS workflows saving **22** labor hours/month, Implemented Random Forest churn model improving retention by **18%.**

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Vikrant Thenge | LinkedIn

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GitHub | Vikrant | (8 Live Apps)

Dombivli, Mumbai, India

Available Immediately

SKILLS & TOOLS

Analytics & Data Science:

Exploratory Data Analysis (EDA)

Predictive Modeling

SHAP Explainability

Hypothesis Testing

KPI Tracking

Time Series Analysis

Data Warehousing, ETL

Programming & Analytical Tools:

Python (Pandas, NumPy, Scikit-learn, spaCy, Transformers)

SQL

Excel (Macros, Pivot Tables)

Streamlit (UI for NLP dashboards)

Power BI & Tableau

Matplotlib, Seaborn

Github, Jupyter

Cloud & Database Platforms:

AWS & GCP, Heroku, Kafka

MongoDB PostgreSQL, MySQL

Snowflake (conceptual knowledge)

ETL/BI Tools:

Databricks, Power Query, SQL-based

ETL, Tableau Prep, BI Storytelling

Business Domain:

Logistics Analytics, Vendor Planning, Contract Analysis, Order Fulfillment, Procurement Support, Network

Strategy

AI/Gen AI:

Prompt Engineering · Generative AI Tools (ChatGPT, Copilot, Gemini, Claude)

NLP Pipeline Design, CI/CD for AI Apps, Local Model Bundling (spaCy)

CERTIFICATIONS & LICENSES

Data Science with Python

Business Analysis

Advanced Google Analytics

Advanced Excel

Power BI & Tableau

Cloud Computing (AWS)

Data Analysis with AI Tools (Copilot/Gemini/Claude)

Career Essentials: GitHub Copilot

Databricks Data Engineer Associate

FAA Flight Dispatcher License – B737

EDUCATION

B.Sc. Computer Science

North East Frontier Technical University

LANGUAGE PROFICIENCY

English

Marathi

Hindi

Japanese

Data Analyst (Flight Operations)

All Nippon Airways

07/2019 – 08/2022

Chennai & Mumbai

- Analyzed scheduling & resource data, reducing costs by **12%**.
- Implemented compliance tracking tools, increasing reporting accuracy by **30%**.
- Developed Power BI dashboards, reducing reporting time by **20%**.
- Delivered training programs improving operational readiness and compliance

**Operations & Administrative Roles – Aviation & Travel Industry (2004–2019)**

Cathay Pacific (via CNS India), Saudi Arabian Airlines, Alepo Technologies, BWFS, Garuda Indonesia

- Managed **real-time operations**, vendor coordination, and compliance reporting across international airline and travel teams
- Delivered **travel management** and **resource scheduling** solutions, improving service efficiency and cross-team workflow