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

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Available Immediately

## 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 ≈ **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, Qualtrics**
- Developed an NLP dashboard to analyze airline feedback from CSV and Qualtrics surveys using a dual-mode (Hugging Face + VADER) sentiment engine.
- Automated CI/CD via GitHub Actions for seamless testing and deployment to Streamlit Cloud and Hugging Face Spaces with interactive CX analytics.

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

**Predictive Maintenance Optimization | Python, AWS EC2, Streamlt, 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%.**

## 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)**                     07/2019 – 08/2022
All Nippon Airways                                         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