## VIKRANT THENGE

## Data & Analytics Professional Python • SQL • Power BI



### ( KEY IMPACT SNAPSHOT

- Reduced system downtime by 25% with predictive maintenance ML models.
- Boosted profitability by 12% through demand forecasting and pricing optimization.
- Improved risk detection by 15% using ML classification models (80% accuracy).
- Accelerated reporting turnaround by 20% with interactive Power BI dashboards and automated ETL pipelines



### PROFESSIONAL SUMMARY

- Data & Analytics professional driving transformation through predictive modeling, BI, and automation—enhancing forecasting accuracy, efficiency, and risk management.
- Skilled in Python, SQL, Power BI, Tableau, and GenAI tools, with deployments on Heroku, Streamlit Cloud, AWS, GCP, and Azure.
- Proven impact: +20% forecasting accuracy, +25% efficiency gains, and stronger risk mitigation across projects.
- Developed interactive apps, BI dashboards, and automation bots that improved decision-making and accelerated adoption.



### 🗐 PROJECTS

### Crew Ops - Airline Crew Optimization Dashboard Python, Streamlit, Pandas, Plotly

- Developed a simulation engine for 500+ crew scenarios with violation alerts and Gantt-style scheduling; reduced manual planning effort by 80%
- Enhanced recruiter engagement via auto-loaded data, mobile layout, and resume access; boosted portfolio click-throughs by 3×

CrewOps Dashboard

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

- Built and deployed 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%.

Flight Delay Predictor

### Airline Sentiment Analyzer | Python, NLP, Hugging Face

- Launched NLP app analyzing sentiment from uploaded CSVs.
- Implemented CI/CD pipelines using GitHub Actions to automate linting, testing, and deployment for Streamlit apps.

Sentiment Analyzer

#### Job Application Automation Bot | Python, Streamlit, NLP, Google Sheets

- Parsed resumes with NLP to extract ATS keywords, rewrote bullets for better recruiter alignment, and automated **100+** job applications via Google Sheets.
- Tracked recruiter outreach and application insights using Google Sheets dashboards.

Job Match Search Optimizer

#### Predictive Maintenance Optimization | Python, AWS, Time Series

- Deployed anomaly detection machine learning models reducing downtime by 25%.
- Implemented time-series models optimizing maintenance schedules, cutting logistics costs by 18%.

Predictive Maintenance

### Operational Safety & Risk Analytics\*\* — Python, SQL, PySpark, Delta Lake, Databricks

- Built automated ETL pipelines on Databricks using PySpark and Delta Lake, processing 5+ years of operational data
- Engineered machine learning classification models in Databricks notebooks to detect risk triggers, improving early detection by 15%

View Project Operational Safety & Risk Analytics

#### Revenue Forecasting & Optimization | Excel, Power BI

- Devised demand forecasting models that increased profitability by 12%.
- Conducted scenario modeling to optimize resource allocation and minimize waste.

Revenue Forecasting



### PROFESSIONAL EXPERIENCE

#### Independent Analytics Consultant (Freelance Project) | 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 - Analytics & Operations **UNACL**

11/2023 - 07/2024 Uganda Airlines 4 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%.

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  - Available Immediately

## SKILLS & TOOLS

### Analytics & Data Science:

Exploratory Data Analysis (EDA)

Predictive Modeling

Hypothesis Testing

**KPI Tracking** 

**Time Series Analysis** 

Data Warehousing

ETL

### **Programming & Analytical Tools:** Python (Pandas, NumPy, Scikit-learn)

SQL Excel (Macros, Pivot Tables)

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 Al Tools (ChatGPT, Copilot, Gemini, Claude)

# (III) 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) Databricks Data Engineer Associate FAA Flight Dispatcher License - B737



**B.Sc.** Computer Science North East Frontier Technical University



**English** 

Marathi 

Hindi 

Japanese 🔵 🦳 🦳 🦳

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%.

#### **Data Analyst (Flight Operations)**

07/2019 - 08/2022 **ANA** Chennai

All Nippon Airways

- 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 monitoring, vendor planning, and compliance reporting.
- Delivered travel management and resource scheduling solutions to improve efficiency.