# VIKRANT THENGE

# Data & Analytics Professional Python • SQL • Power BI



# REY IMPACT SNAPSHOT

- Reduced system downtime by 25% with predictive maintenance machine learning 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 with 4+ years in analytics and strong operations expertise, driving transformation through predictive modeling, BI, and automation.
- Skilled in Python, SQL, Power BI, Tableau, and GenAI tools, with deployments across Heroku, Streamlit Cloud, AWS, GCP, and Azure
- Proven impact: +20% forecasting accuracy, +25% efficiency gains, and enhanced 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

- Built and deployed an interactive Streamlit app predicting flight delays using airline, route, and weather data.
- Designed ML classification model with probability outputs and integrated interactive visualizations.

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, Resume Parsing

- Streamlined job search workflows with resume parsing and keyword matching.
- Scraped listings from LinkedIn, Naukri, and Indeed; tracked recruiter outreach.

Job App Automation Bot

## 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, ML, ETL

- Built automated ETL data pipelines processing 5+ years of operational data.
- Engineered ML classification models to detect risk triggers, improving early detection by **15%**.

#### 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 models using time series and regression; boosted planning accuracy by 20%

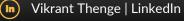
# Station Manager - Analytics & Operations

11/2023 - 07/2024 Uganda Airlines 🌌 Mumbai

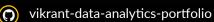
UNACL Ltd

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

+91 9930244221







Dombivli, Mumbai, India

Available Immediately

# SKILLS & TOOLS

### **Analytics & Data Science:**

Exploratory Data Analysis (EDA)

Predictive Modeling

Hypothesis Testing

**KPI Tracking** 

Time Series Analysis

Data Warehousing

**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 AI Tools (ChatGPT, Copilot, Gemini, Claude)

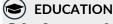
# (IIII) CERTIFICATIONS & LICENSES

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

All Nippon Airways

ANA Chennai

- 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.