VIKRANT THENGE

Data & Analytics Professional Python • SQL • Power BI

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vikrant-data-analytics-portfolio
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Available Immediately

KEY 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
UNACL Ltd Uganda Airlines *Mumbai*

- 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%.**

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

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

EDUCATION

B.Sc. Computer Science
North East Frontier Technical University

LANGUAGE PROFICIENCY

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 *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.