

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

- 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%**.

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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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)

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