


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 

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 

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 for Streamlit apps.

Sentiment 

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 

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 

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 

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.



PROFESSIONAL EXPERIENCE


Analytics Consulting & Portfolio Projects - Remote08/2024 – 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

Uganda AirlinesMumbai

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%.



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

- 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.