

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×**

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%**.

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.

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.

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%**.

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%**

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%**.

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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

- 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.