

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 14+ years in operations, delivering transformation through predictive modeling, BI, and automation.

Proficient 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 3x

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.

Airline Sentiment Analyzer | Python, NLP, Hugging Face

Launched NLP app analyzing sentiment from uploaded CSVs.

Developed recruiter-facing UI with visualization of confidence scores and sentiment distribution.

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.

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, 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.

PROFESSIONAL EXPERIENCE

Independent Analytics Consultant (Freelance Project) | Remote08/2024 – 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 & Operations11/2023 – 07/2024

UNACL Ltd

Uganda AirlinesMumbai

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.