MEET PANDYA

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SUMMARY

Analytical and detail-oriented **Data Analyst** skilled in **SQL (SELECT, JOIN, GROUP BY, WHERE)**, **Python (Pandas, Matplotlib)**, and **data visualization tools** like **Tableau**, **Power BI**, and **Looker Studio**. Experienced in **data cleaning**, **EDA**, and creating interactive dashboards for business insights. Known for an **analytical mindset**, strong **problem-solving** skills, and clear **communication**. Passionate about using data-driven analysis to enhance decision-making within aerospace and engineering domains.

EDUCATION

Dayananda Sagar University, Bengaluru, India *Aug 2022 – Jun 2026*
Pursuing B.Tech in Computer Science and Engineering
Relevant Coursework: Databases, Statistics, Machine Learning, Data Visualization
• 3rd Position – Alliance CodeSangram Hackathon (100+ teams); Runner-Up – Magnovite 2023

PROFESSIONAL EXPERIENCE

NuMinds AI — Data Analytics Intern *Aug 2025 – Oct 2025*

- Built and optimized **ETL pipelines** using **Python (Pandas)** and **SQL**, improving data processing speed by 30%.
- Developed **Power BI dashboards** visualizing key KPIs and trends across multiple departments.
- Conducted **EDA** and data validation to ensure consistency, accuracy, and reliability of insights.
- Collaborated cross-functionally to deliver clear visual reports for both technical and non-technical teams.

PROJECTS

1. Aircraft Systems Data Analysis Dashboard — SQL, Python (Pandas), Power BI

- Analyzed and visualized Airbus A/C and electrical system datasets using **SQL (SELECT, JOIN, GROUP BY, WHERE)** and **Pandas**.
- Designed **Power BI dashboards** to monitor subsystem voltage, temperature, and performance KPIs.
- Automated data quality checks and anomaly detection to support predictive maintenance decisions.
- Enhanced reporting efficiency by 40% through real-time data integration and EDA-driven insights.

2. Flight Efficiency Optimization – Aviation Analytics — Python (Pandas, Scikit-learn), SQL, Tableau

- Processed Flight Data Recorder (FDR) logs to analyze fuel efficiency and flight performance patterns.
- Applied **regression and clustering models** to detect inefficiencies and recommend route adjustments.
- Developed **interactive Tableau dashboards** for operational KPIs and maintenance trend visualization
- Improved route optimization insights and flight-level analytics using time-series feature engineering.

3.Maintenance Anomaly Detection System — Python (Pandas, Matplotlib), Power BI, Looker Studio

- Built predictive models to identify anomalies in electrical load and system temperature readings.
- Used **EDA** and statistical visualization (**Matplotlib**) to interpret failure probabilities and trends.
- Created **Power BI and Looker Studio dashboards** to track maintenance KPIs in real time.
- Enabled early-warning alerts and reduced downtime through data-driven monitoring and reporting.

SKILLS & TOOLS

Programming: Python (Pandas, NumPy, Matplotlib) — SQL (SELECT, JOIN, WHERE, GROUP BY),Excel
Data Visualization: Tableau, Power BI, Looker Studio
Analytics: EDA, Regression, Clustering, KPI Definition, Predictive Modeling, Statistical Analysis
Soft Skills: Analytical Mindset, Problem-Solving, Communication, Attention to Detail, Collaboration
Tools: Jupyter Notebook, VS Code, Git, MySQL/Postgres, Excel

ACHIEVEMENTS

- 3rd Position – Alliance CodeSangram Hackathon (100+ teams)
- Runner-Up – Magnovite 2023
- Published: IEEE ICCCNT 2025 (Real-Time Object Detection & Proximity Estimation)