

Professional Summary

Results-driven **Data Analyst** with 2+ years of experience as a Web Developer, transitioning into data analytics with strong proficiency in **Python, SQL, and data visualization**. Skilled in transforming complex data into actionable insights through **data cleaning, EDA, and dashboard creation** using tools like Pandas, NumPy, and Streamlit. Adept at problem-solving, storytelling with data, and building interactive visualizations that support strategic decisions.

Key Skills

- **Programming:** Python, SQL, JavaScript
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Streamlit
- **Database Management:** MySQL, PostgreSQL
- **Data Cleaning & EDA:** Handling missing values, outlier detection, statistical summaries
- **Tools & Platforms:** Jupyter Notebook, Git, GitHub
- **Soft Skills:** Analytical Thinking, Problem-Solving, Attention to Detail

Technical Projects

1. Telco Customer Churn Analysis

Objective: Identified factors driving customer churn to improve retention strategies.

Key Contributions:

- Cleaned data and performed exploratory analysis to uncover churn factors.
- Created visualizations (**bar charts, histograms**) to highlight patterns in service usage and demographics.
- Delivered actionable insights on contract types and payment behavior.

Tools: Python, Pandas, Matplotlib, Seaborn | [GitHub Repo](#)

2. Netflix Movies Dashboard

Objective: Built an interactive dashboard to visualize content trends on Netflix.

Key Contributions:

- Cleaned and processed multi-genre and date fields.
- Analyzed release year, genre popularity, and ratings distribution.
- Deployed a live Streamlit app for real-time exploration.

Tools: Python, Pandas, Streamlit, Matplotlib | [GitHub Repo](#) | [Live Dashboard](#)

3. Airbnb Listings Analysis

Objective: Uncovered pricing trends and neighborhood patterns in Airbnb listings.

Key Contributions:

- Standardized pricing data and handled outliers.
- Performed geospatial analysis and created visual insights using heatmaps and box plots.
- Highlighted room-type preferences and seasonal pricing changes.

Tools: Python, Pandas, Matplotlib, Seaborn | [GitHub Repo](#)

Professional Experience

Web Developer | Sleek Infosolutions, Kolkata | Jun 2023 – Feb 2024

- Developed and maintained over 10 scalable APIs.
- Integrated backend data pipelines with analytics dashboards for real-time monitoring.

Web Developer | Arrow2web Technologies, Kolkata | May 2022 – Jun 2023

- Built serverless apps using AWS and DynamoDB, boosting efficiency by 25%.
- Optimized backend processes to support faster data reporting.

Analyst Programmer | MG Tathya Solutions, Kolkata | Nov 2021 – May 2022

- Designed interactive dashboards using JavaScript and APIs.
- Supported analytics features by integrating backend data endpoints.

Education

Bachelor of Computer Application (BCA)

West Bengal University of Technology, Kolkata | 2010 – 2013