

AATISH AROTE

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EXPERIENCE

Intern - Data Visualization

Sep 2025 – Dec 2025

Infosys Springboard

Remote

- **Engineered** an advanced **Power BI** dashboard to analyze Global Tourism data (ETL, DAX); selected as the **top design** in the initial phase for superior data modeling and visualization of seasonal trends.
- **Developed** a scalable **Flask** web application to embed the dashboard, integrating **Python** analytics; the solution was chosen to represent the **entire batch of 20 interns** over 5 competing teams.
- **Led** the final stakeholder presentation and technical walkthrough, orchestrating the live demo of AI-driven insights and validating the application flow for the official batch showcase.

Data Analytics & Visualization Virtual Job Simulation

Mar 2025 – Apr 2025

Accenture (Forage)

Remote

- **Processed and analyzed 100,000 +** daily posts, integrating datasets to identify the top 5 engagement-driving content categories & **Identified** top trends and recommended targeted campaigns to enhance retention.

SKILL SET

- **Programming Languages:** Python, SQL
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn
- **Data Visualization:** Power BI, Tableau, Matplotlib, Seaborn
- **Tools:** Jupyter Notebook, Git, Microsoft Excel
- **Databases:** MySQL
- **Cloud:** AWS (S3, EC2, Lambda), Azure

PROJECTS

Real Estate Analytics App

Flask, Scikit-Learn, Pandas, NumPy ([Link](#))

- **Built** a full data science pipeline (web scraping, preprocessing, missing value imputation, outlier detection, feature engineering) on **15k+** Gurgaon real estate listings.
- **Applied and evaluated** ML models (Linear/Ridge/Lasso Regression, Random Forest, XGBoost, SVR) for property price prediction with cross-validation and feature selection.
- **Performed** data cleaning and feature engineering, including advanced missing value imputation, outlier treatment, and creation of features like 'luxury scores' to boost model performance.

Tourism AI

Flask, Power BI, OpenAI API, Tesseract OCR ([Link](#))

- **Developed** a unified analytics platform by embedding interactive Power BI dashboards into Flask for real-time tourism data exploration.
- **Implemented** an AI-driven Insight Engine using Tesseract OCR and OpenAI to extract dashboard metadata and generate automated analytics.

Global Tourism & Holiday Analytics Dashboard

Power BI, Data Analytics ([Link](#))

- **Architected** a refined preprocessing pipeline with normalization, aggregation, and feature engineering to optimize complex global datasets for Power BI.
- **Developed** three interactive dashboards for 232 countries using heat maps, scatter plots, and time-series charts to visualize tourism metrics.
- **Integrated** dynamic slicers and drill-through filters to analyze regional and seasonal travel patterns, peak holidays, and economic trends.

EDUCATION

B.E. in Computer Engineering, University of Mumbai

Aug 2022 – May 2026

Current SGPI: **8.43/10**

HSC (12th) - **67.67%**

Mar 2022

SSC (10th) - **92.20%**

Mar 2020