

Winning Space Race with Data Science

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May 26,

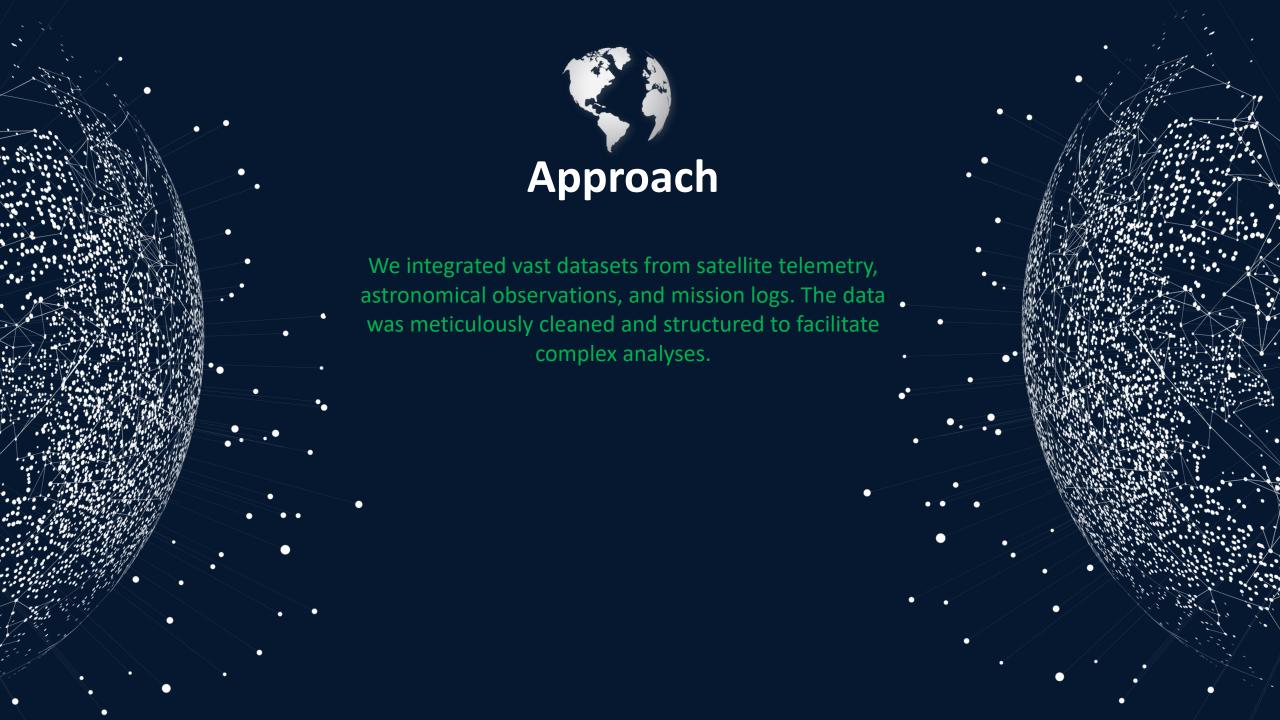
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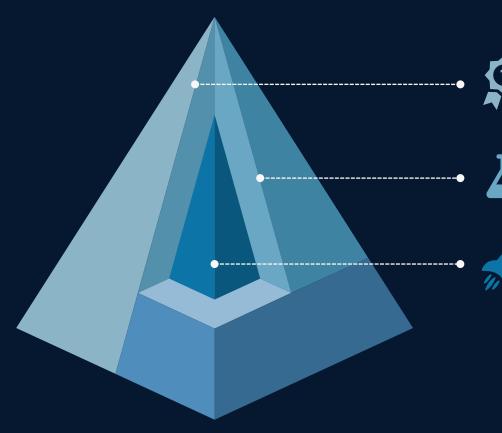


Methodology Executive Summary



Data Collection

Methodology





Data Acquisition

We Gathered extensive dataset from various sources, including satellite telemetry, mission logs and astronomical observations



Data Wrangling

The Collected, data underwent rigorous cleaning, normalization, and transformation to ensure quality and consistency.



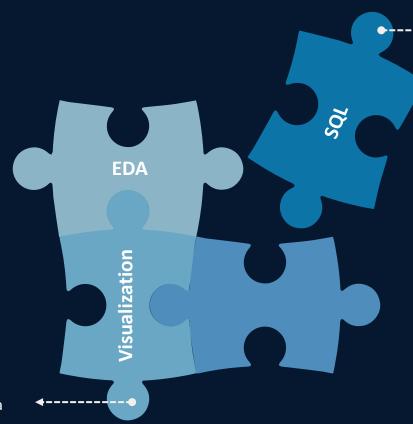
Data Processing

We structured the cleansed data into a fromat suitable for complex analyses and machine learning models.

Exploratory Data

Analysis (EDA)

Utilizing both visualization tools and SQL queries, we conducted a thorough EDA to uncover underlying patterns and relationships in the data.





SQL Analysis

Complex SQL queries were executed to perform deep dives into specific data segments.



Visualization

We created a series of plots and graphs to visually interpret the data trends and distributions.

Methodology

Executive Summary



Data Collection Methodology



Perform Data Wrangling



Perform Exploratory Data Analysis (EDA)
Using Visualization and SQL



Perform Interactive Visual Analytics
Using Folium and Ploty Dash



Perform Predictive Analysis
Using Classifications Models



Agile Methodology











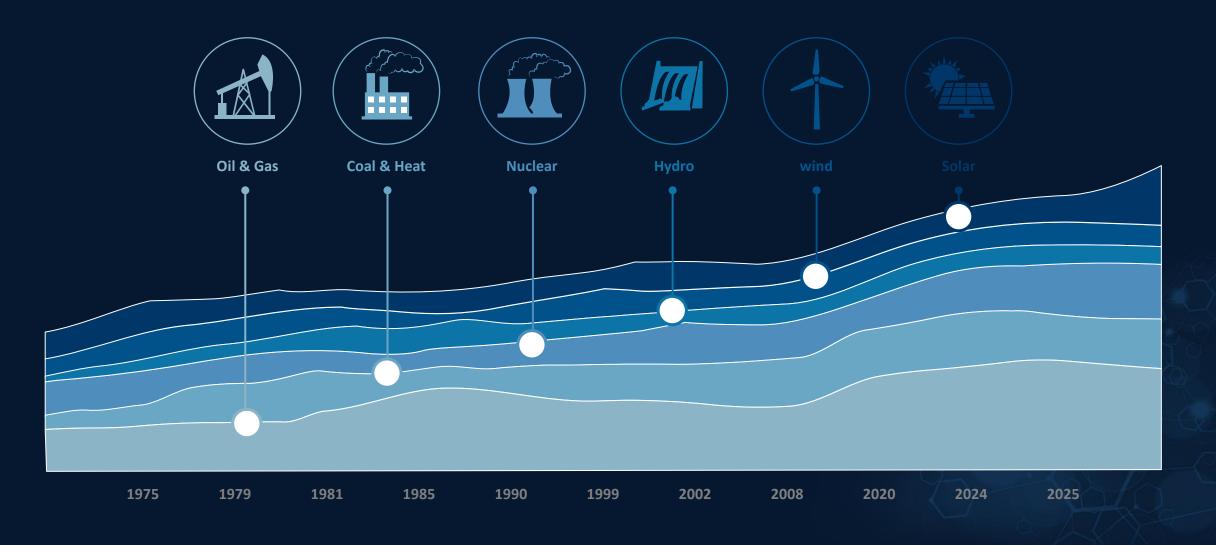




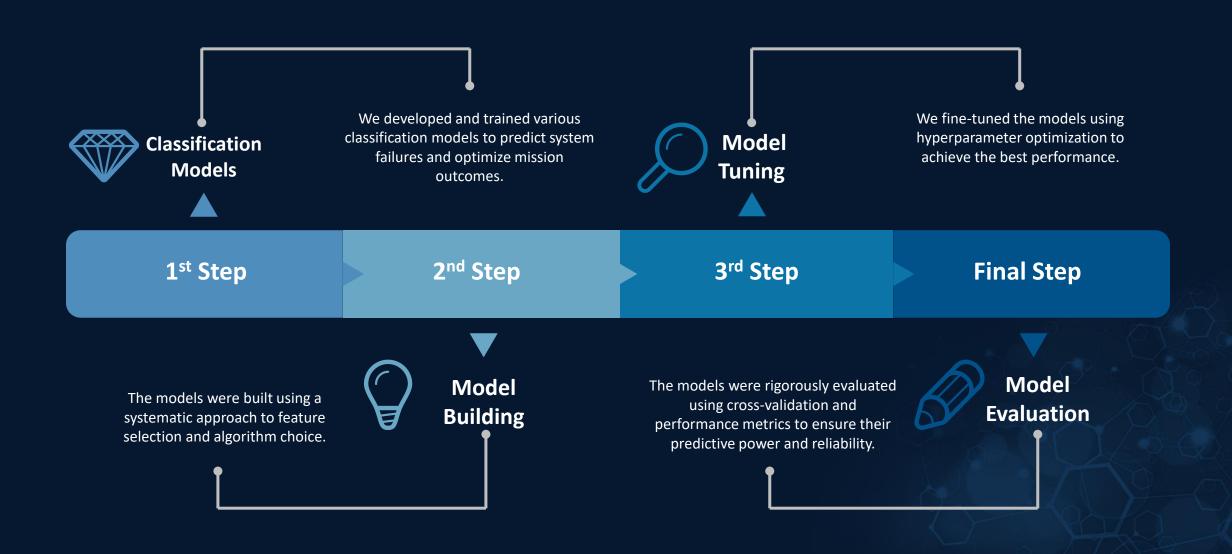
Interactive Visual

We employed Folium for geospatial analysis and Plotly Dash for creating interactive dashboards, enabling dynamic data exploration and real-time insights.

Analytics:



Predictive Analysis



THANK YOU

