**1. Tools and Technologies**

* **Languages:** Python
* **Libraries:** NumPy, Pandas, Seaborn
* **Visualization:** Power BI, Matplotlib
* **Data Sources:** Kaggle astronomy datasets
* **Deployment:** Power BI Cloud Service / SQL

**2. Methodology**

**a. Data Pipeline**

* Data extraction → cleaning → feature extraction → storage

**b. ML Process**

* Model selection (e.g., Isolation Forest)
* Training and testing

**3. Architecture Diagram**

* Flowchart showing data movement from source → model → dashboard

**4. Anomaly Detection System**

* Criteria used to flag anomalies
* Examples of detected anomalies

**5. Integration with Power BI**

* Data connection method (file, SQL)
* Dashboard layout and functionality
* Auto-refresh or scheduled updates

**6. Results**

* Sample code (functions for preprocessing, model training)
* Sample .CSV data format
* Power BI visuals