**TIMELINE Key Tasks & Milestones**

**Week 1 - Jun 15 - Jun 21** **Project Planning, Setup & Data Exploration**

Finalize project topic; identify and gather datasets; outline problem statement and system architecture; Set up folder structure; create virtual environment and install core libraries; load and explore datasets using Pandas; clean, filter, and join data; handle missing values and outliers

Data Dictionary, Data Summary, Data Source in README.md

**Week 2 - Jun 22 - Jun 28 Continue Data Cleaning and EDA**

Continue cleaning and exploring data

Create at least one engineered feature or new column

Define primary key for each table to enable joins; store cleaned data in SQLite database

**Week 3 - Jun 29 - Jul 5 Feature Engineering & Custom Functions**

Develop 3+ custom Python functions for data transformation or analysis; continue EDA with new features

Create at least two tables using SQL

**Week 4 - Jul 6 - Jul 12 Data Analysis & Statistical Insights**

Analyze patterns, correlations, or trends; apply basic statistical methods; summarize insights in notebooks; Draft narrative for presentation or dashboard

Create three different plots to illustrate analysis- data visualizations using Matplotlib, Plotly, or Tableau

**Week 5 - Jul 13 - Jul 19 Visualization & Dashboard Design**

Build Tableau dashboard; map key metrics; refine visual storytelling

**Week 6 - Jul 20 - Jul 26 Documentation & GitHub Finalization**

Finalize documentation; clean and organize code; push to GitHub; ensure reproducibility and clear structure; have peers review project

**Week 7 - Jul 27 - Aug 2 Presentation & Review**

Finalize and rehearse presentation; polish dashboard andvisuals; reflect on goals and challenges; submit deliverables