­­­­­­­­­***Superior University***

**PAI Lab task 07**

Submitted by:

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Roll No:

**SU92-BSAIM-F23-004**

Program:

**Artificial Intelligence**

Submitted to:

**Sir Rasikh**

**Explanation of the Project Files**

**1.env**

* + Stores a secret API key (NASA\_API\_KEY) used to access NASA’s exoplanet data.
  + Contains a URL (PARAMS) to fetch data about exoplanets.

**2.planet\_cost\_computer.py**

* + A **Flask web application** that calculates the cost of a space trip to different exoplanets.
  + **Fetches exoplanet data** using NASA's API.
  + **Calculates travel cost** based on the planet's distance from the Sun (in AU).
  + **Displays a webpage** where users can select a planet and get the cost of traveling there.
  + Runs a local web server for interaction.

**3.requirements.txt**

* + Lists the required Python packages:
    - Flask (for running the web app).
    - dotenv (for loading API keys from .env).
    - requests (for making API requests).

**This project is a simple web app that fetches planet data and calculates space travel costs.**