Initial Project Planning Report

Date	24 June 2025
Team ID	SWUID20250176345
Project Name	Machine Learning Approach for Employee Performance Prediction
Maximum Marks	4 Marks

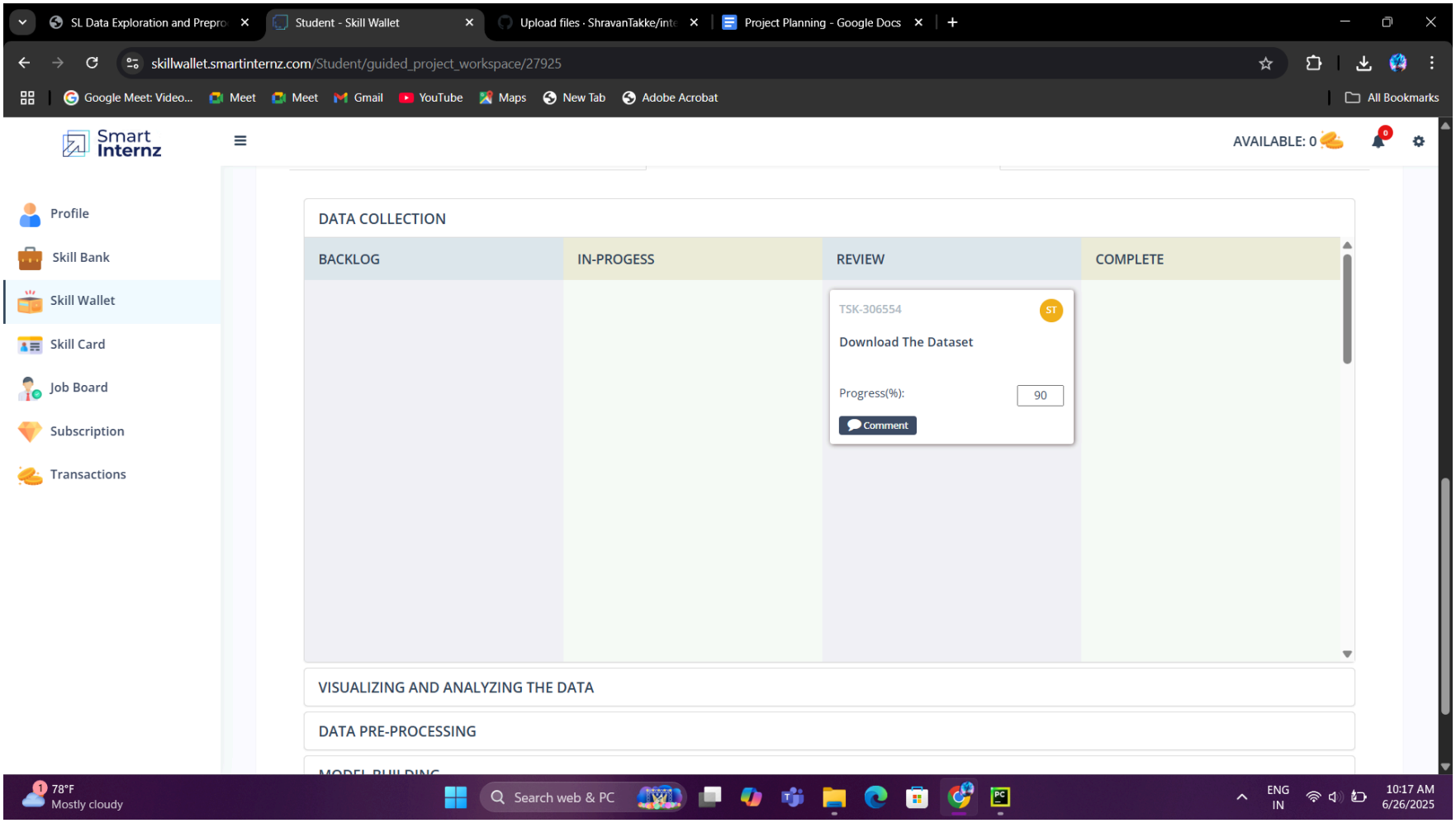
Product Backlog, Task Schedule, and Estimation

Use the below template to create a product backlog and Task schedule

Task	Functional Requirement (Epic)	User Story / Task	Priority	Team Members	Task Start Date	Task End Date (Planned)
Task-1	Data Collection	Download the dataset	High	Shravan	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Importing the libraries	Medium	Shravan	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Read the dataset	Medium	Shravan	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Correlation analysis	High	Shravan	2025/06/24	2025/06/24
Task-2	Visualizing & Analyzing Data	Descriptive analysis	Medium	Shravan	2025/06/24	2025/06/24

Task	Functional Requirement (Epic)	User Story / Task	Priority	Team Members	Task Start Date	Task End Date (Planned)
Task-3	Data Pre-processing	Checking for null values	High	Shravan	2025/06/24	2025/06/24
Task-3	Data Pre-processing	Handling date and department column	Medium	Shravan	2025/06/24	2025/06/24
Task-3	Data Pre-processing	Handling categorical values	High	Shravan	2025/06/24	2025/06/24
Task-3	Data Pre-processing	Splitting data into train and test	High	Shravan	2025/06/24	2025/06/24
Task-4	Model Building	Linear Regression model	Low	Shravan	2025/06/24	2025/06/24
Task-4	Model Building	Random Forest model	High	Shravan	2025/06/24	2025/06/24
Task-4	Model Building	XgBoost model	Medium	Shravan	2025/06/24	2025/06/24
Task-5	Application Building	Building HTML pages	High	Shravan	2025/06/24	2025/06/24
Task-5	Application Building	Build Python (Flask) code	High	Shravan	2025/06/24	2025/06/24
Task-5	Application Building	Run the application	Medium	Shravan	2025/06/24	2025/06/24
Task-5	Application Building	Check output and functionality	High	Shravan	2025/06/24	2025/06/24
Task-6	Project Report	Write and format final report	High	Shravan	2025/06/24	2025/06/24

Screenshot: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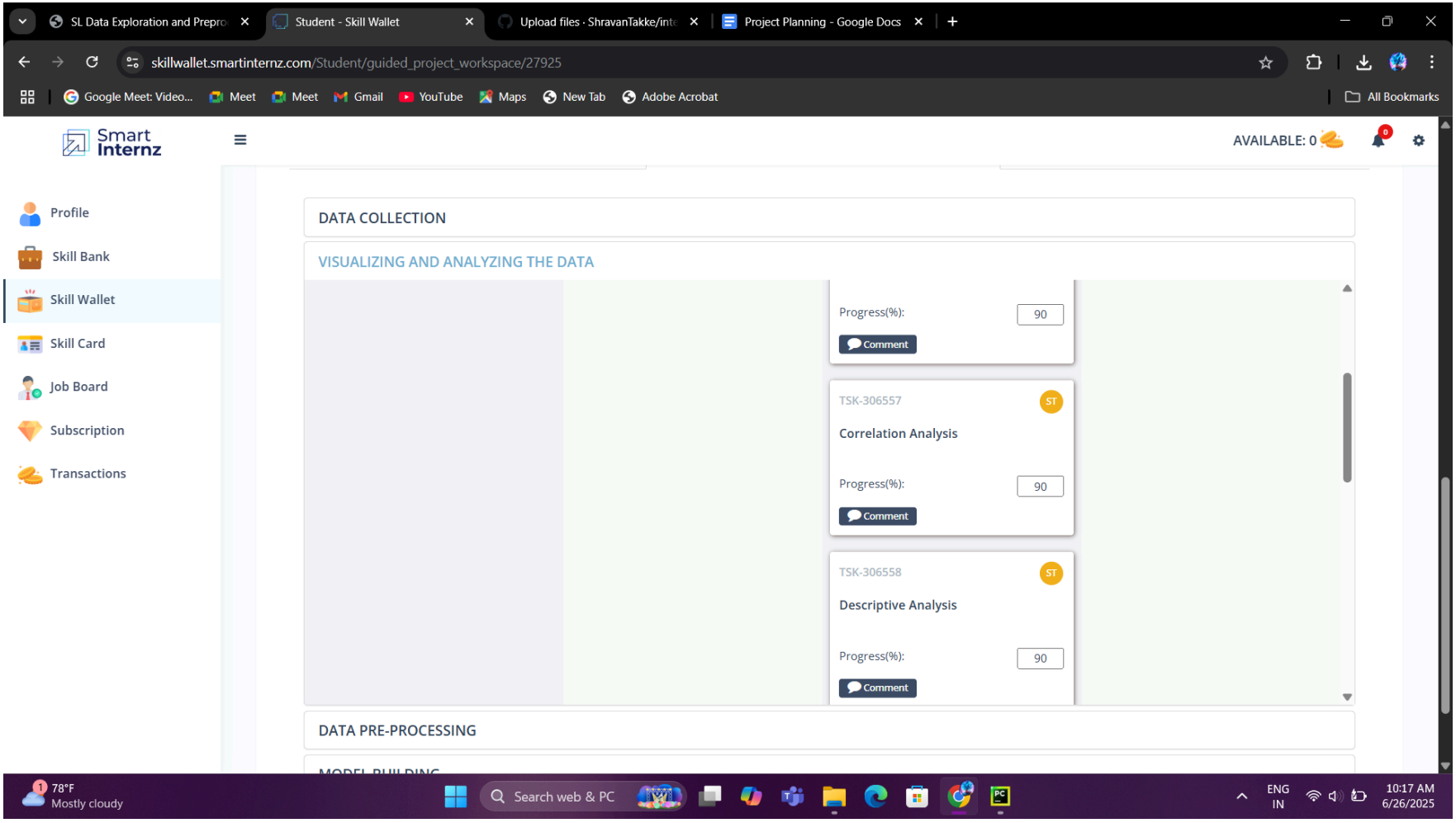
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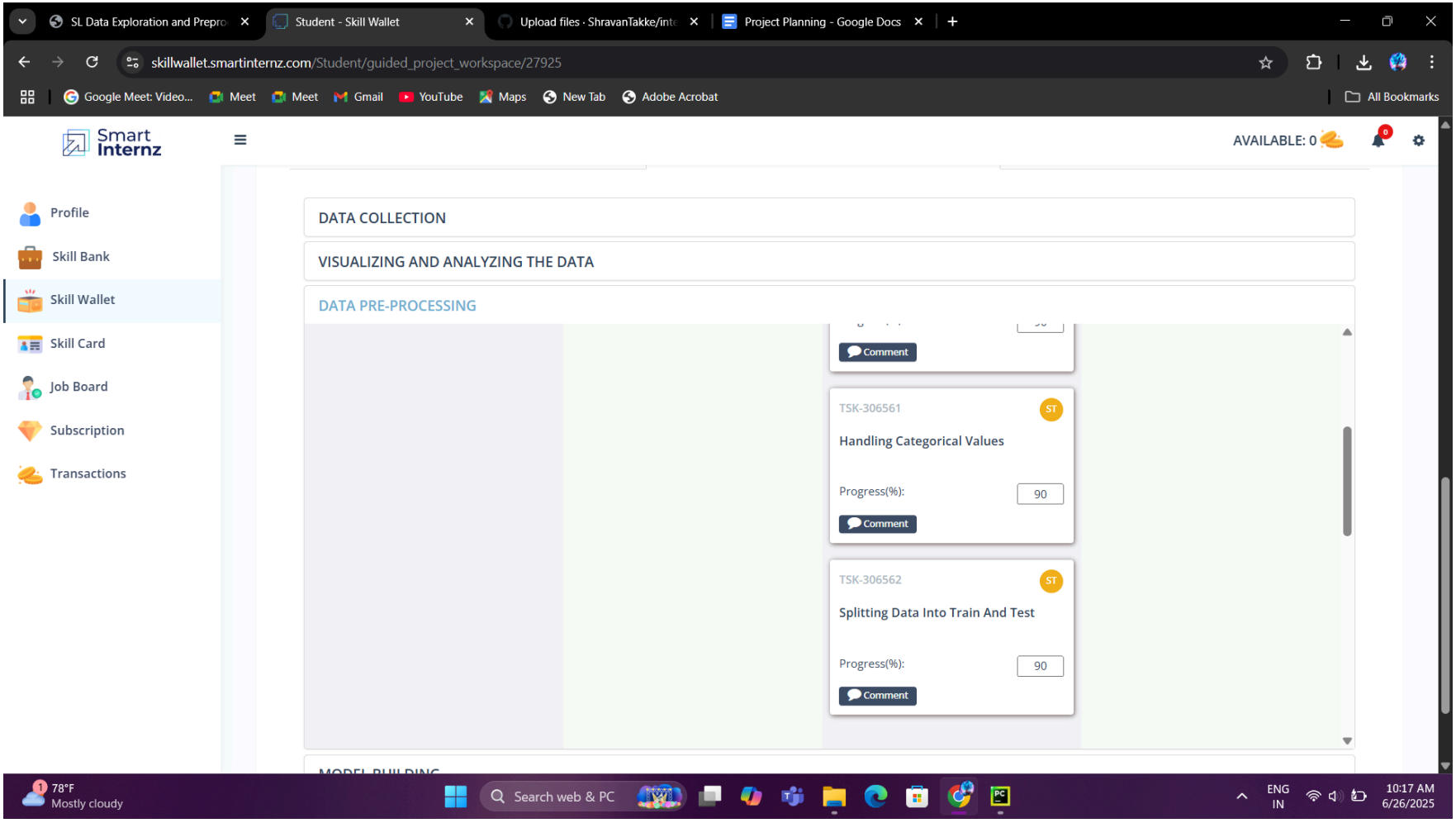
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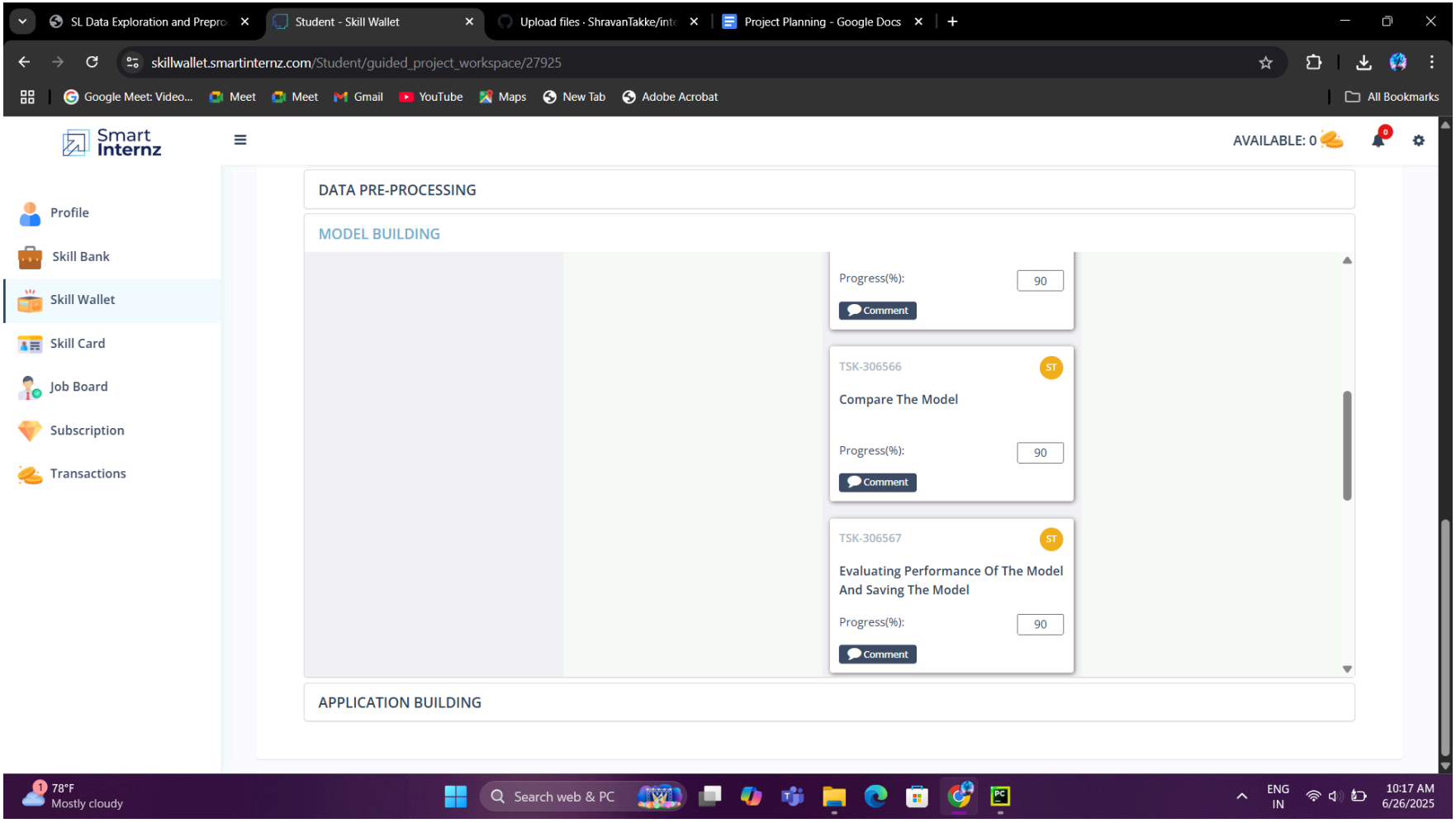
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DATA PRE-PROCESSING
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Compare The Model
Progress(%): 90
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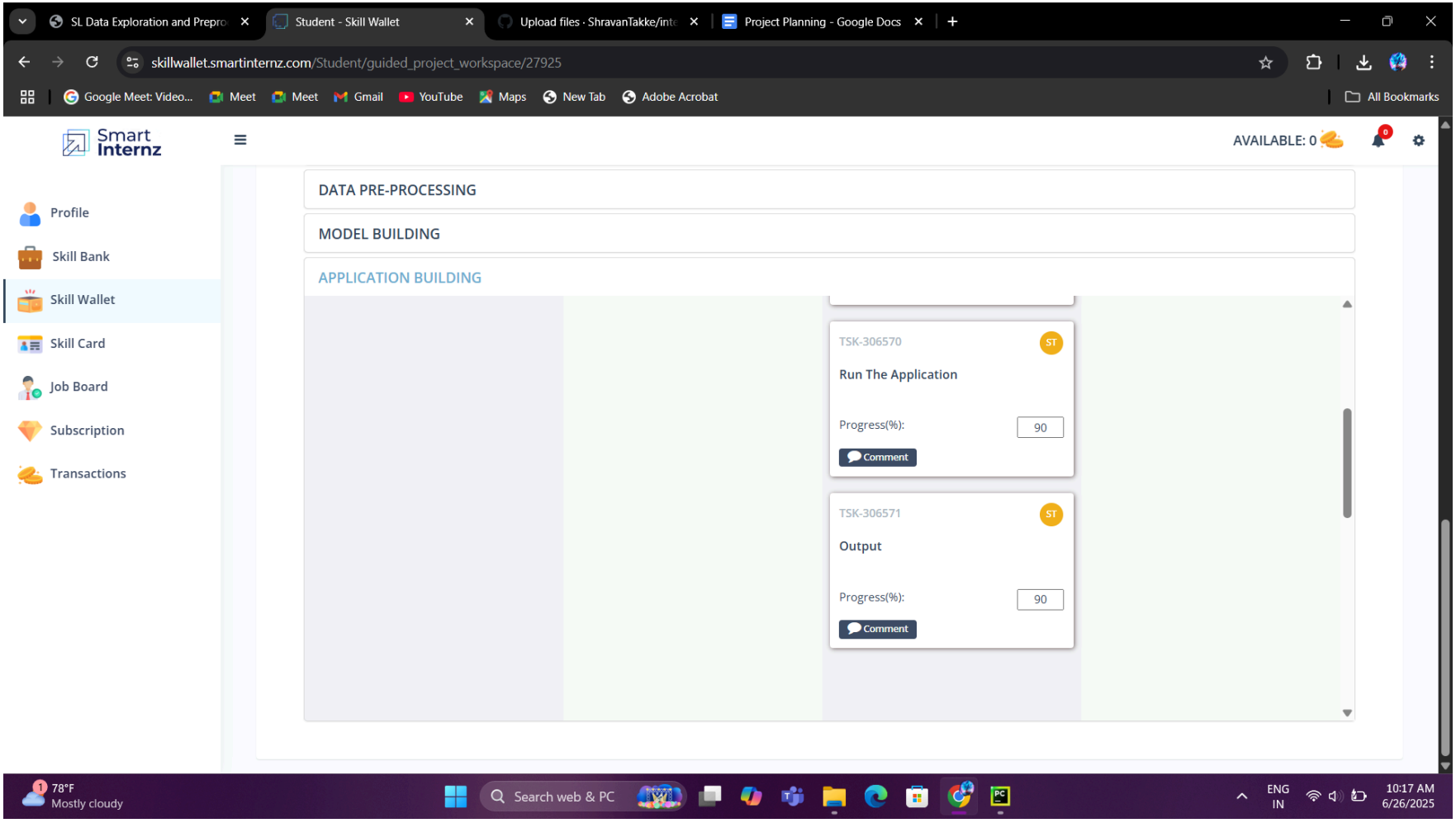
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