Internship Summary Report – Team A

Prepared by:

Sheik

Bharani

Internship Period:

August 1 to August 7, 2025

Project Title:

Supermarket Sales Analysis using Excel, Python, SQL & Power BI

Presented to:

Creatorspace lab

Date: August 7, 2025

1.Table of Contents

Date	Task Description	Owner
August 1	Data Cleaning using Excel	Bharani
August 2	SQL Queries and GitHub Upload	Sheik
August 3	Forecasting Model in Python	Bharani
August 4	Power BI Layout and Visualizations	Sheik
August 5	Power BI Filters and Slicers	Bharani
August 6	PowerPoint Report Creation	Sheik
August 7	Final Summary Report (PDF)	Bharani

2.Daily Task Summaries

August 1 – Excel Data Cleaning

Owner: Bharani

- ✓ Cleaned raw supermarket sales data in Excel.
- ✓ Removed duplicates, applied text functions, fixed formatting issues.
- ✓ Used features like Flash Fill, Text to Columns, and Data Validation.
- ✓ Saved cleaned file and uploaded to GitHub under excel/cleaned_supermarket_sales.xlsx.

August 2 – SQL Queries & GitHub Upload

Owner: Sheik

- ✓ Wrote SQL queries for product and region insights using SQL Workbench.
- ✓ Focused on filtering, grouping, and aggregate functions.
- ✓ Pushed SQL files to GitHub under sql.

August 3 – Forecasting in Python

Owner: Bharani (guided by Sheik)

- ✓ Built sales forecast model using Holt-Winters Exponential Smoothing.
- ✓ Visualized trends for future months to help with inventory optimization.
- ✓ Saved and pushed forecast_model.ipynb to GitHub under python/.

August 4 – Power BI Layout & Visuals

Owner: Sheik

- ✓ Designed Power BI dashboard layout.
- ✓ Created visualizations: Bar chart (Category Sales), Donut chart (Sub-category), Column chart (Profit by Region), Line chart (Yearly Sales by City).
- ✓ Used dark theme with polished styling and clear titles.
- ✓ Saved .pbix file in powerbi.

August 5 – Power BI Filters & Slicers

Owner: Bharani

- ✓ Added slicers for Category, Sub-Category, City, and Region.
- ✓ Ensured slicer interactivity across all charts.

- ✓ Applied consistent styling using Format Pane.
- ✓ Updated dashboard file and pushed to GitHub.

August 6 – PowerPoint Report Creation

Owner: Sheik

- ✓ Created a professional PowerPoint presentation summarizing project flow.
- ✓ Used visuals from Power BI and summarized each day's work.
- ✓ Saved as supermarket-sales-analysis.pptx in reports/ folder and pushed to GitHub.

August 7 – Final PDF Report

- ✓ Owner: Bharani
- ✓ Compiled all daily summaries into one structured PDF report.
- ✓ Includes cover page, table of contents, task details, and contribution split.
- ✓ Final report saved and uploaded to reports/final_summary.pdf.

3.Team Contributions

Name: Sheik

Roles & Responsiblities :

Coordinated the entire project handled GitHub uploads, created   Power BI visuals, and designed the presentation.

Name: Bharani

Roles & Responsiblities:

Took ownership of Excel cleaning, Python forecasting model, Power BI slicers, and final report PDF.

Both team members collaborated daily, reviewed each other's work, and ensured timely completion of all assigned tasks.