

Appendix A

Individual Contribution & AI Usage Report

Each member should describe their contribution and specify any AI tools used, such as ChatGPT, DeepSeek, Copilot, code generation tools, or data analysis assistants. Provide details on how AI supported the work, such as summarization, debugging, ideation, or automation.

Student Name	Role/Responsibility	Contribution Details	Use of AI Tools (if applicable)
Akhila Chelimala	Database Designer & ER Diagram Creator	<ul style="list-style-type: none">• Designed the normalized schema (10+ tables, 1:1, 1:M, M: N relationships)• Built the ER diagram in draw.io• Reviewed peers' table definitions for consistency• Wrote ~25% of the final report	<ul style="list-style-type: none">• ChatGPT for normalization best-practices and JSON/XML modeling tips• DeepSeek for ER-diagram syntax in draw.io
Sathiya Bama Sampath	DDL / Database Implementation Lead	<ul style="list-style-type: none">• Wrote all DDL scripts: CREATE TABLE with PK/FK/CHK/UNIQUE/NOT NULL• Defined 2 views, stored procedures and triggers• Added indexes for performance• Reviewed & merged peers' SQL changes; ~25% report	<ul style="list-style-type: none">• ChatGPT for SQL syntax examples and trigger logic• DeepSeek for stored-procedure boilerplate
Anisha Antony	DML / Synthetic Data Generation & JSON/XML Updates	<ul style="list-style-type: none">• Generated & inserted 200+ realistic records across tables• Wrote scripts to UPDATE JSON and XML fields• Tested INSERT/UPDATE/DELETE workflows• Contributed ~25% of the report narrative	<ul style="list-style-type: none">• ChatGPT to generate synthetic data sets• DeepSeek for JSON-in-SQL examples

Sharma Devi Resma	DQL / Analytics Integration & ML-Ready Extractions	<ul style="list-style-type: none">• Crafted 4+ complex queries (joins, window functions, full-text, JSON/XML extraction)• Connected MySQL output to a Python notebook for basic analytics• Prepared 3 ML-ready datasets• Wrote ~25% of the report	<ul style="list-style-type: none">• ChatGPT for query optimization and window-function patterns• ChatGPT integration snippets
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