Emmadi Srikar *Data Scientist*

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EDUCATION

St Mary's Group of Institutions 12/2021 – 07/2025
Computer Science and Engineering Hyderabad

SKILLS

PYTHON — Anaconda, Jupyter Notebook, Colab Notebook, Syntax, Identifiers & Operators, Array.

Exploratory Data Analysis — Numpy, Pandas, Arrays, Data Cleaning and Manipulation, Data Collection, Data Visualization

SQL — MYSQL, NOSQL, CRUD operation, RDBMS, Data Exploration and Data Filtering, DQL and Operators, Clauses, Joins, ACID, COMMIT, ROLLBACK.

Power BI — Power BI workflow, Visualisation, Trend Data viz, Power Queries, Power Pivot, DAX, DA Expression, Web & RLS, Visual Interactions, Drill Through.

Advanced Statistics — Descriptive Statistics, Probability Distribution, Data Gathering Techniques, Inferential Statistics.

Natural Language processing — NLTK, Spacy, BOW, TF-IDF, Glove, Fast text, RNNs, LSTMs, Auto Encoders, BERT.

PROJECTS

AI-Powered Knowledge Engine for Smart Support and Ticket Resolution.
- Applied Python, NLP, LLMs, FAISS, Streamlit, Google Sheets API, and Slack API (7 tools) to build an AI-powered smart support system for automated ticket classification and recommendations.
- Performed extensive text preprocessing, data cleaning, entity masking, and semantic embedding generation to prepare over 3,000+ ticket entries for AI-driven analysis.
- Implemented an LLM-based classification pipeline achieving high accuracy in identifying ticket categories and generating intelligent solution recommendations.
- Implemented a Streamlit analytics dashboard to visualize ticket trends, category distribution, knowledge gaps, and model performance in real time.
- Developed a comprehensive automation strategy that merged Slack alerts with FAISS vector search capabilities, improving ticket resolution times by 50%, while allowing staff to focus on more complex customer inquiries.

Employee Management System
- Designed and developed a fully relational Employee Management System using MySQL with 6 interlinked tables, managing 50+ employee records across job roles, salaries, leaves, qualifications, and payroll modules.
- Applied 15+ SQL joins, subqueries, constraints, and aggregate functions to automate payroll computation, streamline leave tracking, and generate accurate department-level salary insights.
- Built a structured database architecture with primary keys, foreign keys, and cascading rules, improving data integrity and reducing redundancy by 40% through optimized table relationships and ER modeling.
- Executed 25+ analytical queries to uncover insights on employee distribution, highest-paying roles, total salary expenditure, leave frequency trends, and department performance.
- Improved data accessibility and reporting efficiency by 60% by converting raw HR data into a clean, query-driven system suitable for real-world HR and payroll operations.

Movie Sales Analysis
- Used Power BI, DAX, Power Query, and Excel (4 tools) to build an interactive Movie Sales Analysis dashboard covering 1,000 IMDb movie records.
- Cleaned and transformed 12-column raw movie data by handling 20% missing values and standardizing data types for accurate reporting.
- Created 15+ DAX measures to analyze revenue trends, genre performance, director contribution, and audience engagement metrics.
- Created multi-page dashboards with KPIs, slicers, and navigation to visualize year-wise revenue, ratings, votes, and genre-based insights.
- Identified top-performing genres, directors, and runtimes—supporting decision-making for production strategy and content planning.

CERTIFICATES

Python Programming

Power BI

Data Analysis with MySQL

Artificial Intelligence

Google Analytics