Akshith Kumar Modem

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CAREER SUMMARY

Highlymotivated B.Tech graduate in Computer Science (AI & ML) Seeking an entry level Data Analyst role.Possesses a strong theoretical foundation backed by practical skills in Python ,SQL, and statistical modeling. Experienced in managing the full data lifecycle from cleaning and exploration data analysis(EDA) or real world datasets to create visualization that deliver actionable business insights. A collaborative communicator is adept at translating technical findings into strategic decision-making tools for stakeholders.

EDUCATION

- Field of Study: BTech, Computer Science (AI & ML)
  - Institution: Samskruti College of Engineering & Technology | 2021–2025
  - CGPA: 6.75
- Intermediate (MPC)
  - Institution: Sri Chaitanya Junior Kalasala | 2019–2021
  - Score: 91%
- Secondary Education
  - Institution: Sri Sai School | 2019
  - CGPA: 8.7

SKILLS

- Programming Languages: Python, SQL
- Data Analysis: Pandas, NumPy
- Visualizations: Matplotlib, Seaborn, Power BI
- Databases: MySQL (Joins, Views, Triggers, Window Functions, Aggregate Functions)
- Concepts: EDA, Statistics, Understanding of KPIs, Metrics, Business Logic, Data Storytelling
- Tools: Excel, Google Colab, Power BI, Jupyter Notebook, PyCharm, Streamlit
- Soft Skills: Teamwork, Problem Solving, Communication, Documentation

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PROJECTS

Customer Shopping Behaviour Analysis

- Cleaned and transformed raw customer data, handled missing values, standardized columns.
- and engineered demographic and frequency features. Loaded curated data into MySQL and executed SQL queries using joins, window functions,
- and CASE logic for segmentation.
- Built an interactive Power BI dashboard visualizing KPIs (AOV, revenue, ratings), customer lifecycle segments, and discount trends.

Movie Recommendation System

- Built a content-based recommendation model using TMDB metadata (genres, keywords,
- cast, crew).
- Applied NLP preprocessing: lowercase normalization, stopword removal, token cleaning, and vectorizer
- Implemented cosine similarity to recommend top-N movies most similar to a user-selected
- Developed a Streamlit web app where users select a movie and recieve the top most similar movies with titles and posters fetched via the TMDB api using stored movie IDs

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CERTIFICATIONS

Data Science with Generative AI -
Medha Edutech | Jun 2025 - Dec 2025
Covered Python data workflows, EDA, LLM fundamentals, and prompt engineering basics