Kavya

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SUMMARY

Data professional with over 2 years of experience in database administration, ETL development, and data analysis across diverse business domains. Skilled in SQL, Python, Power BI, and Excel, with a strong ability to organize, clean, and transform data into actionable insights. Experienced in developing automated pipelines, building dashboards, and applying NLP techniques to domain-specific challenges. Adept at working with cross-functional teams to support data-driven decision-making and improve operational efficiency.

EXPERIENCE

Database Administrator   Oct 2022 – Mar 2025
Prince Capital   *Chennai, Tamil Nadu*

– Designed and managed database schemas and tables to ensure robust, scalable relational databases for efficient data handling and analysis.
– Developed ETL pipelines to extract, transform, and load stock market data into PostgreSQL databases, maintaining data accuracy and timeliness based on business requirements.
– Automated repetitive database tasks and improved query performance through indexing and tuning, enhancing daily data availability and system efficiency.
– Utilized shell scripting and Linux commands for database maintenance, automation, and server management, while preparing documentation and debugging workflows to minimize downtime.
– Collaborated with internal teams to gather requirements, translated SQL queries into business transformation logics, ensuring Data Quality and documented ETL processes to support strategic goals and knowledge transfer.

Quality Control Chemist   Oct 2020 – Feb 2022
Shanmugha Bio Fuels   *Erode, Tamil Nadu*

– Conducted comprehensive chemical tests on raw materials and end products to assess moisture and ash content, ensuring product quality assurance and compliance with standards.
– Analyzed test results to identify potential quality issues and implemented corrective actions to maintain product integrity.

INTERNSHIP

AI Intern   Jul 2024 – Nov 2024
Recursive Meta   *Remote*

– Developed NLP-powered Text-to-SQL models using Vanna AI, optimizing query automation.
– Built and deployed APIs with FastAPI & Flask, integrating NLP with PostgreSQL.
– Created a Streamlit dashboard and automated alerts via Twilio, deployed on Render.

TECHNICAL SKILLS

Database: PostgreSQL, MySQL, SQL Server
Languages: Python, FastAPI, SQL, Linux Commands, Shell Scripting
Developer Tools: Git, VS Code, Visual Studio, PyCharm
Visualization Tools: Power BI
Analytics Tools: Excel
Libraries: Pandas, NumPy, Matplotlib
Cloud Technologies: AWS

PROJECTS

LumineSkin: RAG-Based AI Skincare Assistant | *LangChain, Groq, Pinecone, Streamlit*   Jul 2025

– Built a Retrieval-Augmented Generation (RAG) chatbot that delivers brand-specific, intelligent skincare advice using product data and FAQs.
– Integrated Groq LLM with Pinecone vector DB and LangChain pipeline to enable natural, accurate, non-hallucinated responses.
– Designed a Streamlit UI allowing users to get routines, compare ingredients, and ask skin-type-specific questions within brand ecosystem.

Retail Sales Performance Dashboard | *SQL, Excel, Power BI*   Jun 2025

– Created an end-to-end dashboard that analyzed regional sales, profit margins, and customer segments.
– Used Excel for preprocessing and SQL for advanced querying. Visualized KPIs using Power BI.

GenZ Dating App Analysis | *Power BI*   Feb 2025

– Designed an interactive Power BI dashboard analyzing user engagement, satisfaction, and retention trends in dating apps.
– Utilized Power Query for ETL, performed data cleaning and transformation, and created DAX measures for key insights.
– Visualized demographics, app preferences, and feature demand using charts and KPIs.
– Provided actionable recommendations to improve user experience and retention based on behavioral data.

Credit Risk Prediction App | *Python, Streamlit, Machine Learning*   May 2025

– Developed and deployed a Streamlit-based web application that predicts loan default risk using logistic regression and decision trees.
– Performed data preprocessing, feature engineering, and model evaluation to support real-time risk prediction.

CERTIFICATIONS

• Databases and SQL for Data Science with Python (with Honours), IBM – Jun 2024
• SQL (Advanced) Certificate, HackerRank – May 2025
• Introduction to Data Analytics, IBM – Aug 2024

EDUCATION

Vellalar College for Women   Jun 2017 – Sep 2020
Bachelor of Science in Chemistry   *Erode, Tamil Nadu*