# Kavya

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## SUMMARY

Data Analyst with hands-on experience in SQL, ETL pipelines, AWS, and Power BI dashboards. Skilled in manipulating and transforming raw data into actionable business insights using Python and PostgreSQL. Experienced in translating SQL queries into business logic, maintaining data quality, and documenting workflows with clarity. Familiar with AWS services. Strong collaborator committed to business transformation with a focus on business impact and data-driven decision-making.

## EXPERIENCE

**Database Administrator**                                     October 2023 – March 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 70 percent of daily operational tasks and conducted database performance tuning, reducing manual workload and enhancing 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.

**AI Intern**                                                    July 2024 – Nov 2024
*Recursive Meta*                                                  *Remote-weekend project*
- 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.

**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.

## 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 - S3, RDS, EC2, Redshift, Lambda, Athena, Elastic Bean Stack, Route 53, Batch

## PROJECTS

**Credit Risk Prediction App** | *Python, Streamlit, Machine Learning*                May 2025
- Developed and deployed a Streamlit-based web application that predicts loan default risk using machine learning models trained on credit data.
- Performed data preprocessing, feature engineering, and model evaluation using logistic regression and decision tree classifiers.
- Integrated the trained model with a user-friendly UI to collect input features and display risk predictions in real-time.

**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.

## CERTIFICATIONS

- Databases and SQL for Data Science with Python (with Honours), IBM — Jun 2024
- SQL (Intermediate) Certificate, HackerRank — Dec 2024
- Introduction to Data Analytics, IBM — Aug 2024
- Query preparation with Power Query in Power BI, Chennai Data Circle — Jan 2024
- Visualization Tools: Past, Present & What's Next, Chennai Data Circle — Feb 2025

## EDUCATION

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