

DIYA SHARMA

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PROFESSIONAL SUMMARY

Computer Science undergraduate with hands-on experience in Data Analytics, Business Intelligence, and Predictive Analytics. Skilled in transforming complex datasets into actionable KPI dashboards and data-driven insights using Python and SQL – with a strong focus on visual reporting and business decision support.

EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering
CGPA: 8.09

Bhopal, India
Oct 2022 – Oct 2026

TECHNICAL SKILLS

Languages: Python, SQL, Java, JavaScript, HTML, CSS

Data Analysis: Pandas, NumPy, Data Cleaning, Exploratory Data Analysis (EDA)

Visualization & BI: Power BI, Tableau, Plotly, Streamlit, KPI Analysis

ML & Analytics: Scikit-Learn, Predictive Analytics, Machine Learning

AI/GenAI: Generative AI, LLM API Integration, Prompt Engineering

PROJECTS

Spotify Pulse Analytics – AI-Powered Music Intelligence Dashboard

June 2026

Python, SQL, Pandas, Scikit-Learn, Streamlit, Plotly

GitHub | Live Demo

- Engineered an ML pipeline with Scikit-Learn to predict song popularity and forecast hit potential, achieving **87%** accuracy across **10,000+** track records.
- Built interactive KPI dashboards with Streamlit and Plotly for real-time filtering by artist, genre, and tempo – cutting data exploration time by **65%**.
- Delivered predictive analytics outputs as executive-grade BI visualizations with CSV export for downstream business reporting.

Apex Revenue Assurance Intelligence Dashboard

May 2026

Python, SQL, Streamlit, Plotly, Pandas, NumPy

GitHub | Live Demo

- Analyzed churn patterns and revenue leakage across **5** risk segments, identifying retention opportunities to recover **up to 23%** of at-risk revenue.
- Developed dynamic KPI dashboards visualizing churn trends, lifetime value, and segment risk scores across **50,000+** customer records.
- Built a revenue recovery simulation module enabling stakeholders to model retention scenarios and act on data-driven insights for high-value decision support.

PowerPulse – Smart Electricity Consumption Tracker

Dec 2024 – Mar 2025

MySQL, React.js, Java Servlets, REST APIs

GitHub

- Designed an analytics dashboard tracking daily, weekly, and monthly consumption trends across **10** pilot households, cutting manual billing effort by **50%**.
- Authored optimized SQL queries with MySQL indexing to surface data quality issues, usage insights, and billing anomalies, reducing query latency by **35%**.
- Implemented automated KPI monitoring for peak-hour thresholds and usage alerts, driving a **40%** reduction in overuse incidents during testing.

CERTIFICATIONS

- Data Visualization Tools – AlmaBetter
- AWS Solutions Architect Training Program – Ethnus

ACHIEVEMENTS

AWS Educate: Earned **5+** badges across Cloud Foundations, Compute, Storage, and Networking, strengthening analytical problem-solving and cloud fundamentals relevant to data-driven environments.