SHIVAM MANI TRIPATHI

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Professional Summary:

Detail-oriented Computer Science graduate with hands-on experience in ETL concepts, SQL development, and BI reporting through academic and internship projects. Proficient in data extraction, transformation, and loading (ETL), query optimization, dashboard development, and data validation. Strong understanding of SDLC, database management, and analytics workflows. Eager to contribute to data integration and technical consulting projects in a client-facing environment.

Technical Skills:

ETL & Data Processing: ETL Concepts, Data Extraction, Data Transformation, Data Validation, Data Cleaning
Databases: SQL, MySQL, Basic PL/SQL, Query Optimization, Stored Procedures
Programming & Scripting: Python, Basic Shell Scripting, C++, Java (Basic)
BI & Reporting: Power BI, MS Excel, Dashboard Development, KPI Reporting
Tools & Platforms: Jupyter Notebook, Git
Core Concepts: SDLC, Object-Oriented Programming (OOP), Data Structures, Database Management Systems (DBMS)

Projects:

CardioGuard – Heart Attack Predictor GitHub link

- Designed and expanded a **machine learning-based application** to predict cardiac risk.
- Achieved **85% prediction accuracy through feature selection, model training, and performance tuning**.
- Performed **data preprocessing, exploratory data analysis (EDA), model evaluation, and validation** using Python and ML libraries.

Career Analytics Dashboard – Rohit Sharma GitHub link

- Enhanced an **interactive dashboard** to analyze performance metrics and trends.
- Enabled **format-wise filtering and KPI visualization** of runs, strike rate, and boundaries.
- Applied **data visualization and analytical reporting techniques.**
- **Built an interactive Power BI dashboard analyzing performance metrics and trends.**
- **Created calculated measures and KPIs using DAX functions**

Customer Sales Data ETL & BI Reporting System

- Designed an end-to-end ETL pipeline to extract raw transactional data from CSV/MySQL sources.
- Implemented data transformation logic including filtering, aggregation, and validation rules using SQL and Python.
- Loaded cleaned and structured data into MySQL database for reporting and analysis.
- Developed complex SQL queries, joins, subqueries, and stored procedures for KPI generation.
- Created interactive Power BI dashboards to visualize revenue trends, monthly growth, and customer segmentation

Internship

Python for Data Analytics – Infosys Springboard | April 2025 - May 2025

- Applied **Python-based programs** for data processing, automation, and basic analytics.
- Worked with structured datasets to perform data manipulation and logic-driven operations.
- Strengthened understanding of **programming fundamentals, debugging, and problem-solving** in Python.

Web Development Trainee – Netcamp Pvt. Ltd. | November 2024 – December 2024

- Improved responsive web application using **HTML, CSS, and JavaScript**.

- Implemented multiple **front-end features** following usability and responsive design principles.
- Gained exposure to **Software Development Life Cycle (SDLC)** and basic project execution practices.

Data Analyst Intern – CreArt Pvt Ltd | June 2025 – August 2025

- Assisted in designing ETL workflows to extract and transform structured data from CSV and MySQL databases.
- Developed SQL queries (joins, aggregations, subqueries) to support business reporting requirements.
- Performed data cleaning, validation, and transformation to ensure data accuracy and consistency.
- Created stored procedures and optimized queries to improve report execution performance.
- Automated data processing tasks using Python scripts for batch data updates.
- Built Power BI dashboards to track KPIs, operational metrics, and monthly performance trends.
- Documented ETL processes, data mapping, and transformation logic following SDLC practices.

Education:

B.Tech in Computer Science and Engineering — *8 CGPA*

- **Saraswati Shishu Mandir Sr. Sec. School** — *2020-2022*
  PCM |Intermediate — *71%*
- **Saraswati Shishu Mandir Sr. Sec. School** — *2018-2020*
  High School — *88%*

Certifications:

- Data Analytics Job Simulation – Deloitte Australia
- Python for Data Analytics – Infosys Springboard
- Data Visualization – 30 Days Coding
- SQL (Intermediate) – Hacker Rank

Achievements:

- Published **IEEE Research Paper – IC2SDT 2025**
- **5 Star on SQL Hacker Rank**
- Best Speaker – **AKTU ZONAL FEST (2024), UYP(2023)**
- Core Member – The English Channel Club