

# SHASHANK SONY

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## **PROFESSIONAL SUMMARY**

SQL & Backend Engineer with deep expertise in query optimization, stored procedures, data warehousing, and ETL engineering. Hands-on experience with Oracle, PostgreSQL, MS SQL Server, SSIS, PySpark, and FastAPI in high-volume data environments.

## **WORK EXPERIENCE**

### **AYE FINANCE**

Gurugram, Haryana

#### **SQL Developer - (Assistant Manager)**

Nov 2025

- Designed and maintained financial data warehouses using Oracle and PostgreSQL, supporting enterprise-level reporting and analytics.
- Built and managed ETL pipelines using PySpark, performing large-scale data transformations and cleansing with Pandas.
- Developed and optimized stored procedures, functions, and validation logic to ensure accuracy and consistency of financial data.
- Created analytical views, CTEs, and window-function-based reports to enable data-driven decision-making for business stakeholders.
- Ensured data quality, integrity, and reconciliation across staging, transformation, and reporting layers of the data warehouse.
- Collaborated with analytics and business teams to improve reporting performance and data availability.

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Gurugram, Haryana

#### **SQL Developer**

Aug 2024

- Optimized SQL (joins, CTEs, indexing, partitioning, SPs, triggers, functions) reducing query execution by 25% on 3M+ records.
- Designed ERP & HRMS databases (Sales, Purchase, Ledger, Attendance) with normalization & indexing for scalability.
- Automated attendance tracking with triggers, CTEs & error handling for real-time HR analytics.
- Built dashboards & reports using views, CTEs & window functions to support decision-making.
- Ensured data integrity with TCL, error-handling & logging frameworks.
- Developed ETL pipelines using SSIS for smooth data integration.

## **EDUCATION**

### **Indira Gandhi National Open University (IGNOU)**

Jul 2025- May 2027

Master of Computer Applications (MCA) – Pursuing

Focus: Database Management, Backend Development, Data Warehousing and DSA

### **BRABU UNIVERSITY**

Apr 2019 - May 2023

Bachelor of Computer Application (BCA)

Major in Computer Applications

## **PROJECTS**

- **ERP Database System:** Designed ERP DB (Sales, Purchase, Ledger, Products) with normalized tables, indexes, SPs, triggers, and role-based access.
- **Web App (FastAPI + Databases):** Developed FastAPI backend with JWT auth, async APIs, SQL/MongoDB integration, logging, monitoring & strict request/response validation.

## **SKILLS**

### **Databases & Data Engineering**

- Advanced SQL (Joins, Subqueries, Stored Procedures, Functions, Triggers, CTEs, Window Functions, Indexing, Cursors, Partitioning, Query Optimization)
- MS SQL Server, MySQL, PostgreSQL, MongoDB (Schema Design, CRUD, Query Optimization)
- Transaction Management (DDL, DML, DCL, TCL)
- ETL Pipelines & Data Warehousing (SSIS, DataBricks, DBeaver, Pandas, PySpark, Transformation, Performance Optimization)

### **Programming & Backend**

- **Python:** OOP, Data Structures, Scripting, Pandas (Data Analysis, Data Cleaning), Pyspark(RDD, DataFrame, Spark SQL)
- **FastAPI:** (CRUD APIs, JWT Authentication, Role-based Authorization, Async APIs, Middleware, Pydantic Models, SQLAlchemy)

## **TOOLS**

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**Databases:** MS SQL Server, MySQL (Workbench), PostgreSQL

**ETL & Data Warehousing:** SSIS, DataBricks

**Database Management Tools:** SQL Server Management Studio (SSMS), DBeaver

**IDEs & Editors:** VS Code, PyCharm

**Version Control:** Git, GitHub

**Visualization & Productivity:** Power BI, Microsoft Office Suite (Word, Excel, PowerPoint)

## **ADDITIONAL**

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**Languages:** Fluent in Hindi and English

**Certifications:** Python Fundamentals (Great Learning), SQL for Data Analytics (Udemy)