

SHASHANK SONY

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EDUCATION

BRABU UNIVERSITY

Apr 2019 - May 2023

Bachelor of Computer Application

Major in Computer Science; Minors in Mathematics and Psychology

Relevant Coursework: Data Analysis, Software Engineering, Computer Applications

LAXMI RAJDEO SCHOOL

Mar 2017 – Apr 2019

Studied Intermediate in Physics, Chemistry, and Mathematics

KENDRIYA VIDYALAYA

Mar 2006 - Apr 2016

Studied Primary and Secondary Education

WORK EXPERIENCE

PLUS DISTRIBUTION PRIVATE LIMITED

Gurugram, Haryana

SQL Developer

Feb 2024

- Engineered complex and programmable SQL solutions, including advanced queries with multi-level joins, subqueries, stored procedures, functions, CTEs (Common Table Expressions), and window functions to generate detailed analytical reports, optimize data transactions, and enhance system performance. Achieved a 25% reduction in query execution time while processing over 3 million transactional records.
- Developed and maintained reusable stored procedures and programmable SQL scripts to automate key business processes, enforce data validation, and ensure consistency across systems, resulting in faster deployments and reduced manual intervention.
- Identified and resolved a large volume of critical database issues, reinforcing data integrity and consistency across multiple applications. Designed efficient error-handling logic and logging mechanisms, which significantly improved database reliability and system resilience.

PANFLASH TECNOLOGIES

Greater Noida, Uttar Pradesh

Back End Developer (Intern)

Aug 2023 - Jan 2024

- Developed and optimized RESTful APIs using FastAPI and Python for efficient CRUD operations, seamless data integration, and secure communication between services. Implemented JWT-based authentication and role-based authorization, ensuring secure user access and data protection across multiple endpoints.
- Designed and managed scalable database schemas in both SQL (MS SQL Server, PostgreSQL, MySQL) and MongoDB, applying DDL, DML, and DCL best practices for robust and structured data storage.
- Engineered advanced SQL solutions using programmable SQL techniques, including complex queries, stored procedures, functions, multi-table joins, CTEs, and views to optimize data transactions, automate reporting, and support real-time analytics.
- Leveraged FastAPI for high-performance backend development, integrating asynchronous operations and efficient database communication to enhance overall system scalability, security, and responsiveness.

PROJECTS

- FastAPI Full-Stack Application:** Built a FastAPI-powered web application with CRUD operations, JWT authentication, Pydantic models for validation, asynchronous queries for performance optimization, and SQLAlchemy for efficient database transactions.
- Personal Portfolio Website:** Designed and developed a responsive portfolio website using HTML, CSS, and JavaScript, showcasing projects, skills, and achievements. Integrated interactive elements and animations to enhance user experience and engagement.

SKILLS

- Python:** Proficient in core Python programming concepts with hands-on experience in writing efficient scripts, handling data structures, and implementing clean, maintainable code for backend services and automation tasks.
- SQL (MS SQL Server, MySQL, PostgreSQL):** Highly proficient in SQL with strong expertise in advanced querying, programmable SQL, stored procedures, functions, triggers, and database performance tuning. Deep understanding of DDL, DQL, DML, DCL, and TCL for comprehensive database design and control.
- MongoDB:** Experience in working with NoSQL databases, designing flexible schemas, executing CRUD operations, and optimizing queries for scalable, document-based data storage.
- FastAPI:** Skilled in building high-performance, secure APIs using FastAPI with real-world experience in implementing CRUD operations, JWT-based authentication, role-based authorization, Pydantic for request

validation, asynchronous database operations, and SQLAlchemy for ORM-based transaction management.

- **Power BI:** Specialized in creating interactive dashboards and visual reports that offer deep business insights. Proficient in data modeling, DAX, and integrating Power BI with various data sources to enable data-driven decision-making.
- **Django:** Experienced in full-stack web development using Django, implementing user authentication and authorization, managing MVC architecture with models, views, and templates, and integrating SQL/MongoDB databases for robust backend services.
- **Microsoft Office (Word, Excel, PowerPoint):** Proficient in using Microsoft Word for documentation and formatting, Excel for data analysis, formulas, pivot tables, and charts, and PowerPoint for creating professional presentations to effectively communicate technical and business insights.

TOOLS

Databases: MS SQL Server, MySQL(Workbench), PostgreSQL, MongoDB(Compass)

ETL & Data Warehousing: SSIS, Snowflake

IDEs & Editors: VS Code, PyCharm

Database Management Tools: SQL Server Management Studio (SSMS)

Others: Power BI, Microsoft Office Suite (Word, Excel, PowerPoint)

ADDITIONAL

Languages: Fluent in Hindi and English

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