

SAKSHAM SOMANI

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Education

Manipal University Jaipur

Information Technology CGPA-8.76

2020-2024

Jaipur, Rajasthan

White Leaf Public School

12th Class-82.6%

2020

Delhi

D.L D.A.V

CBSE-89.6%

2018

Delhi

Experience

Principal Financial Group

Data Engineer , Full Time

July 2024 - Present

Onsite-Pune

- Developed and enhanced Java-based RESTful services to handle large-scale data ingestion, transformation, and retrieval from multiple data sources.
- Worked on master data management (MDM) solutions, integrating structured and unstructured data from various sources into a central repository using Informatica and SQL for seamless data flow and accessibility.
- Implemented data validation, transformation logic, and error handling within API layers to ensure high-quality, reliable datasets for downstream analytics.
- Gained hands-on experience in data modeling techniques, schema design, and data validation processes to maintain high data integrity.
- Collaborated with cross-functional teams to optimize service performance, reduce response times, and improve scalability for data-intensive operations.
- Utilized version control (Git), Agile methodologies, and code reviews to ensure maintainable, production-ready solutions..

Coding Ninjas

Teaching Assistant , Internship

Aug 2023-Sep 2023

Remote

- Assisted students in understanding C++ programming and Data Structures and Algorithms (DSA) concepts, addressing their doubts, and providing clarifications to enhance their learning experience.
- Provided constructive feedback on students' code submissions, helping them improve their coding style and approach to problem-solving.
- Delivered clear and comprehensive explanations of complex coding and DSA concepts, breaking them down into digestible parts with the use of relevant examples and analogies.

Proffer It Consultancy Private Limited

Web Developer , Internship

June 2023 - July 2023

Remote

- I am involved in designing, developing, and maintaining the company's website. This includes creating web pages, implementing functionality and fix bugs/issues.
- Explored ways to visualize and send a daily report of various types of test results to team members using HTML, Javascript, and CSS of their new hardware selling product website.

Projects

AWS Serverless ETL Pipeline | S3, AWS Lambda, Typescript, IAM, SNS, CloudWatch |

- Built an event-driven serverless ETL pipeline that automatically processed CSV files uploaded to Amazon S3 using AWS Lambda.
- Implemented data cleaning and transformation logic, including duplicate removal, null-value handling, data standardization, and timestamp enrichment using Python.
- Configured S3 Event Notifications to trigger Lambda automatically and stored the transformed output in a separate S3 bucket.
- Integrated Amazon SNS for job completion notifications and CloudWatch Logs for monitoring, debugging, and error tracking.

AI SQL Error Debugger | Python, Gemini API, Streamlit GitHub

- Developed an AI-powered SQL debugging assistant that analyzes SQL queries to detect syntax errors, logical issues, and common optimization opportunities.
- Implemented automated query validation with AI-generated explanations and corrected SQL suggestions to improve query accuracy and learning.
- Built an interactive Streamlit application that provides error diagnostics, optimized query recommendations, and execution best practices.

Technical Skills

Programming Languages: C++, C,Java,Python HTML/CSS

Developer Tools: VS Code, GitHub

Technologies/Frameworks: Apache Spark,Snowflake,Informatica,Kafka

Databases/Cloud: SQL,AWS

Soft Skills: Communication ,Teamwork, Leadership, Collaboration

Familiar:Machine Learning,NodeJS

CourseWork:Operating System,Database Management system,Object Oriented Programming, Software Engineering,Data structures

Certifications

- Supervised Machine Learning: Regression and Classification-Link
- Data Structures in C++ at Coding Ninjas-Link
- Database Foundations-Oracle
- AWS Cloud Practitioner-Link

Links

- Leetcode GFG HackerRank

Achievement / Extracurricular

- Won Excellence in academics in recognition of having highest Grade Point Average in 5th Semester
- Solved more than 600+ coding questions on different platforms.
- 5 star in C++ at HackerRank