

Sourabh Tiwari

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Motivated Python Developer with a strong foundation in SQL, data analysis, DevOps, and cloud technologies. Skilled in designing efficient ETL pipelines and real-time data processing systems using Python, SQL, and Apache Spark. Experienced in leveraging SQL for complex queries, joins, stored procedures, and database management. Proven ability to build and optimize PostgreSQL and MySQL databases to drive data-driven projects.

Skills

Technical skill

- **Languages:** Python, Java, HTML/CSS, JavaScript, SQL
- **Data Engineering Tools:** Kafka, Spark, Hadoop, PostgreSQL, MySQL, Docker, Kubernetes
- **Frameworks & Libraries:** Flask, Django, Pandas, NumPy, Scikit-learn, SQLAlchemy, Psycopg2
- **Developer Tools:** Docker, Kubernetes, VScode, Gitpod, Git, GitHub, Jira
- **Cloud Platforms:** Google Cloud Platform (BigQuery, Looker, Dataflow), Azure (Data Factory, Synapse Analytics)

Soft Skills

- Communication skill
- Team collaboration
- Adaptability
- Interpersonal Skill
- Attention to details
- Problem-Solving

Project

Real time ETL Pipeline with kafka, Spark, Docker

[Data Engineering, Database management](#)

Aug 2024

- Developed a real-time ETL pipeline using Python, Apache Spark, and Kafka to process and analyze large sensor datasets (100GB+ daily).
- Integrated SQL queries and joins to load transformed data into a PostgreSQL database, improving data query speeds by 25%.
- Designed and deployed the entire pipeline in Docker containers for a scalable and modular architecture.

Stock Price prediction with Sentiment Analysis

[Machine learning, web scrapping](#)

May 2024

- Built a stock price prediction model using Python and a stacked LSTM model in TensorFlow, achieving 85% prediction accuracy.
- Scraped financial websites using BeautifulSoup to gather stock data and performed sentiment analysis using Pandas and NumPy.
- Managed data flow using SQLAlchemy to interact with MySQL databases for efficient data storage and retrieval.

Work Experience

Stock Data Manager

Sep 2021 -Feb 2022

- Managed stock data using SQL to track and optimize inventory across multiple Google Spreadsheets, automating data collection and reporting processes.
- Improved data retrieval speed by 20% by designing efficient SQL queries and optimizing spreadsheet workflows.
- Collaborated with cross-functional teams to ensure accurate data synchronization across various departments.
- Technologies Used: SQL, Python (for automation scripts), Google Spreadsheets

Education

Bachelor in Computer Application (BCA)

Indira Gandhi National Open University

2021 - 2024

Certificates

- Microsoft Azure for Data Engineering - Coursera
- Data Engineering Learning Path - Google Cloud Boost
- Relational Database Certificate - FreeCodeCamp
- Python for Finance - Sololearn