Sourabh Tiwari

🔗 LinkedIn | GitHub | Portfolio

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Motivated IT professional with a versatile skill set spanning programming, database administration, and system optimization. Competent in Python development and SQL database management, with experience in designing efficient data workflows. Strong problem-solving abilities and technical foundation ready to support various IT operations and infrastructure 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
New Delhi

- 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