

Gaurav Tiwari

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SKILLS

Languages: C++, Python, SQL, Java

Tools/Platforms: MySQL, PostgreSQL, MongoDB, Cassandra, Snowflake, Power BI, Tableau

Soft Skills: Problem-Solving, Team Player, Project Management, Adaptability

PROJECTS

Real-Time Retail Data Pipeline | *Python, Apache Kafka, Spark Streaming, AWS S3, Redshift, Airflow* Sept' 25

- Designed and implemented a real-time data ingestion pipeline to process live sales transactions from multiple stores.
- Utilized Kafka for streaming data, Spark Streaming for ETL and transformation, and stored aggregated data in AWS Redshift for analytics.
- Automated data workflows with Apache Airflow, reducing manual processing by 80%.

End-to-End Data Warehouse for Flight Analytics | *Python, SQL, Snowflake, dbt, Airflow, Tableau* Jul' 25

- Designed and implemented a Snowflake-based data warehouse integrating flight, passenger, and satisfaction datasets with a Star Schema architecture.
- Built automated ETL pipelines using Python and dbt, orchestrated daily data refresh workflows through Apache Airflow.
- Developed interactive Tableau dashboards to analyze airline performance KPIs and customer satisfaction insights for data-driven decision-making.

Flight Delay Prediction System | *Python, NumPy, Scikit-Learn, Flask, Streamlit, PostgreSQL.* Mar' 25

- Built a machine learning model to predict flight delays using historical flight, weather, and airport traffic datasets with advanced feature engineering.
- Trained and evaluated models including Random Forest, XGBoost, and LSTM, improving prediction accuracy and reducing false positives.
- Deployed the model with an interactive dashboard to visualize delay probabilities, route-level insights, and model performance metrics.

TRAINING

CodeQuest: DSA Summer Bootcamp from Basics to Brilliance Jun' 25 – Jul' 25

Advanced Data Structures & Algorithms

- Intensive hands-on bootcamp covering Data Structures & Algorithms from fundamentals to advanced problem-solving.
- Focused training with live coding, weekly contests, and real interview-level challenges to build competitive programming skills.
- Personalized mentorship, structured learning roadmap, and certificate of completion to boost placement and internship readiness.

CERTIFICATES

Cloud Computing | *NPTEL* Nov' 25

Oracle Cloud Infrastructure 2025 Certified Data Science Professional | *Oracle* Aug' 25

Introduction to Hardware and Operating Systems (with Honors) | *Coursera* Aug' 24

Web Development | *Skill India Digital Hub* Mar' 24

Crash Course on Python | *Coursera* Mar' 24

EDUCATION

Lovely Professional University Phagwara, Punjab
Bachelor of Technology Aug' 23 – Present

Computer Science and Engineering; CGPA: 7.26

Lions School Mirzapur, U.P.
Intermediate Mar' 21 – May' 22

PCM; Percentage: 74.6%

Lions School Mirzapur, U.P.
Matriculation Mar' 19 – May' 20

Percentage: 64.2%