PRANEET SHEKHAR

DATA ENGINEER

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Summary

A versatile software professional with experience in Data Engineering & expertise in full-stack development.

Experience

Oracle Financial Services Software | *Associate Consultant*   **June 2022 – Present**

- Developed a stored procedure to enable database serialization on AWS Redshift, reducing recurring manual effort by 100%.
- Optimized processes to reduce ingestion time by 85.71% for new data sources to the data warehouse from a week to a day.
- Created a framework enabling automated ingestion of large datasets historically.
- Built a Python utility with pandas to standardize raw files, ensuring data consistency.
- Awarded Team Appreciation Award for Q4 2024.
- Selected for the final round of an org-wide AI/GenAI hackathon(ongoing).

Projects

Real-time streaming pipeline | *Kafka, Python, Postgres, Tableau*   **GitHub repo**

- End-to-end real-time streaming pipeline using Kafka written in Python & Postgres for visualisation of stock market data in Tableau. Data sourced from Alpha Vantage API and running in a docker container.

'DocDoc' | *React, Flask, MongoDB, AWS S3*

- Allows users to store their medical documents by category: bills, prescriptions, reports.

'Travestor' | *Flask, REST APIs*

- Suggests travel destinations based on parameters like ease of attaining visa, currency strength vs INR and weather.

'RoadBuddy' | *Flask, REST APIs, CI/CD(GitHub Actions/Heroku), Plotting(Folium/leaflet.js)*

- Calculates the least polluted route between two places.

Bitcoin Price Prediction | *Python, ML*

- Forecasts next-hour prices using ARIMA & LSTM.

Skills

Platforms: Unix-like(macOS, Linux), Windows
Languages: Python, PL/SQL, Java, Shell Scripting, Javascript, HTML, CSS3
Technologies: Apache Airflow, Amazon Redshift, AutoSys, AWS S3
Tools: Git, Jira, Bitbucket, GitHub, JFrog, Jenkins
Frameworks: Flask, Spring Boot, React
Other Skills: ETL, Data Modeling, Data Warehousing, Agile, SDLC
Exposure to Databricks, Snowflake, Amazon MSK (Apache Kafka), EC2, MySQL, NoSQL(MongoDB, Cassandra), Apache Iceberg, Apache Spark (PySpark), Tableau, PowerBI

Certifications

Java(J2EE, J2SE, Java 11), Spring Boot, Microservices, Oracle RDBMS- Oracle
BI Foundations with SQL, ETL and Data Warehousing- IBM specialization certification
Oracle Cloud Infrastructure 2023 Foundations Associate
Foundations of User Experience (UX) Design - Google (ID: ALVJV7GFBJW3)
Mendix Low-Code Certified Rapid Developer- Certificate No. 33878
AI For Everyone- Deeplearning.ai
GenAI For Everyone- Deeplearning.ai

Education

Kalinga Institute of Industrial Technology   **2017 − 2022**
Bachelor of Technology in Information Technology | *GPA 7.62/10*   *Bhubaneswar, India*

Loyola School, Jamshedpur   **2004 − 2017**
ISC(XII) 83.20% | ICSE(X) 89.17%   *Jamshedpur, India*