PRANEET SHEKHAR

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Software Engineer | Data Engineer

EDUCATION

KIIT Bhubaneswar (2017-22)
B.Tech. Information Technology – CGPA 7.62

Loyola School, Jamshedpur (2004-17)
ISC (XII) 2017– 83.20% ;ICSE (X) 2015- 89.17%

WORK EXPERIENCE

Oracle Financial Services Software (Mumbai, India | June 2022-Present)
Associate Consultant
Working with State Street Global Advisors as part of the marketing intelligence team to design, develop data models and maintain end-to-end data pipelines.

- Developed a stored procedure to enable database serialization on AWS Redshift, reducing recurring manual effort by 100%.
- Streamlined ingestion processes to reduce data warehouse update time from a week to a day (85.71%).
- Built a historical file load framework enabling automated ingestion of large datasets.
- Designed and implemented health check systems for data pipelines with configurable parameters.
- Created a Python utility using pandas to standardize raw source files with varying schemas, ensuring data consistency.
- Optimized SQL queries in PL/SQL for large-scale datasets, enhancing overall query performance by 35%.
- Utilized AWS Redshift and S3 for scalable data storage and querying.
- Managed APIs that serve Tableau dashboards to provide actionable insights.
- Collaborated with business teams to model data and develop data warehousing applications, addressing complex requirements.

SKILLS

Platforms: Unix-like(macOS, Linux), Windows
Languages: **Python**, **PL/SQL**, **Java**, **Shell Scripting**, Javascript, HTML, CSS3
Technologies: **Apache Airflow**, AutoSys, Cloud Data Warehousing (**AWS Redshift**), AWS S3, Docker, Kubernetes
Tools: **CI/CD** (git, Jira, Bitbucket, JFrog, Jenkins), Microsoft Office (**Excel**, PowerPoint, Word)
Frameworks: Flask, Spring Boot, React

Exposure to Databricks, **Amazon MSK (Apache Kafka)**, EC2, MySQL, MongoDB, Cassandra, Apache Spark (**PySpark**), Tableau, PowerBI
Certifications/Trainings:
- Java(J2EE, J2SE, Java 11), Spring Boot, **Microservices**, Oracle RDBMS
- **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)
- BluePrism RPA Foundations Certification
- **AI For Everyone** - Deeplearning.ai
- **GenAI for Everyone** - Deeplearning.ai

PROJECTS

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' - A web-app built with a React frontend and Flask (Python) backend. It allows users to store their medical documents by category bills, prescriptions, reports. It uses MongoDB to keep track of file metadata and AWS S3 for storage.
'Travestor' - A web-app written in Python using Flask. Suggests travel destinations based on parameters like ease of attaining visa, currency strength vs INR and weather.
'RoadBuddy' A web-app written in Python using Flask. Calculates least polluted route between two places by consuming REST APIs and plots it on a leaflet.js map (via Folium). Deployed via GitHub CI/CD pipeline on Heroku.
Bitcoin Price Prediction - Prediction of Bitcoin prices (next hour) based on historical data using ARIMA Model & LSTM RNN

EXTRA-CURRICULAR ACHIEVEMENTS & AWARDS

Quizzing: Awards in over 50 quizzes across India at regional, zonal, national and international levels.
- Winner: Tata Crucible Business Quiz for Campuses 2019 (Regionals, Zonals, 3rd in Nationals), Intaglio - Annual Business Summit of IIM Calcutta 2019, COFAS International Computer Olympiad (IT Quiz, Game Designing), TCS IT Wiz 2016 (Regionals, 4th in Nationals), Kolkata Quizzing Festival, CSIR Metallurgy Quiz (Nationals) - Prof. Brahma Prakash Memorial Quiz
- Recipient of 3 Principal's Award for Excellence in Quizzing and leading the organisation of several events, Loyola School (2017)

POSITIONS OF RESPONSIBILITY

Core Team, **Qutopia** - Quizzing society of KIIT Bhubaneswar
Raised sponsorships worth 5Lakh+ for multiple editions of Udghosh - Annual National Level Open Quiz
Key role in organisation of Udghosh, Launchpad and other society events
President, GK Club - Loyola School, Jamshedpur
Twice president of GK Club of Loyola School, Jamshedpur.
Ideated and organized the first ever interschool quizzing fest in eastern India - Loyola Quizzing Festival
Ideated and organized a quiz for induction of new talent - Battle of Neophytes
Secretary, Computer Club - Loyola School, Jamshedpur
Key role in organisation and raising sponsorships for Etrix - National Level interschool Computer Fest
Event Manager, Physics & Chemistry Club - Loyola School, Jamshedpur
Key role in organization of Thomas Paul Science Quiz - Annual interschool science quiz
Senior Student Council Councillor, Loyola School Jamshedpur