Lakimsetti Sai Sasank

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SKILLS

- **Programming Languages**: C++, Java, R
- **Web Technologies**: HTML, CSS, JavaScript, REST APIs
- **Databases**: SQL, MongoDB
- **Frameworks**: Spring, Spring Boot
- **Orchestration Tools**: Apache Airflow
- **Tools & Platforms**: Git, Maven, Postman, Tableau, Microsoft PowerBI, Android Studio, Microsoft Excel, IntelliJ
- **Big Data Technologies**: Apache Hadoop, HBase, Hive, Pig, Apache Spark
- **Soft Skills**: Leadership, Project Management

EXPERIENCE

Phenom People Sept 25 – Present

Data Engineering Intern

- Developed and maintained scalable ETL pipelines integrating data from MongoDB (NoSQL) to Snowflake (SQL) via Apache Iceberg, leveraging PySpark, Apache Airflow, and ArgoCD to ensure reliable data synchronization and improve customer experience.
- Built an automated data mapping and lineage application using Python, HTML, and REST APIs, enabling developers to visualize and trace column-level mappings between MongoDB and Snowflake, reducing debugging and onboarding time.
- Designed and implemented user-friendly data models (UFMs) in PostgreSQL to support self-service analytics through a report builder, empowering business teams to generate hiring analytics insights without engineering support.
- Improved data quality and observability through version-controlled deployments, schema validation, and monitoring workflows, resulting in more accurate and accessible datasets for end users.

PROJECTS

- **Banking Management System** | *Spring Boot* Jul' 2025
  - Built a backend Banking Management System to manage core banking operations such as account creation, balance tracking by account type and customer id, and secure online transactions (deposits and withdrawals).
  - Developed and optimized backend logic ensuring accurate processing, data integrity, and secure transaction handling.
  - Applied the Model-View-Controller (MVC) architecture to promote modularity, maintainability, and scalability of the system.

- **Credit Card Fraud Detection** | *R Programming, Machine Learning* Nov' 2024
  - Developed and implemented machine learning models to detect fraudulent credit card transactions using classification algorithms like KNN, Naïve Bayes, Decision Tree, and Support Vector Machine (SVM).
  - Optimized model performance through data preprocessing, feature selection, and tuning, achieving up to 98.15% accuracy with Naïve Bayes.
  - Evaluated models using precision, recall, F1-score, and confusion matrix to enhance fraud detection reliability.

- **S&P 500 Global Market Analysis** | *Tableau* Nov' 2024
  - Designed and developed an interactive dashboard for S&P 500 Global stocks data, providing comprehensive insights through multiple analytical worksheets.
  - Integrated various data visualization techniques to analyze key factors influencing stock performance, enabling investors to make well-informed decisions.
  - Conducted in-depth data analysis, identifying trends, correlations, and patterns to optimize investment strategies.
  - Optimized the dashboard for user-friendly navigation and real-time data interpretation, improving accessibility for financial decision-makers.

CERTIFICATES

- Core Java | CipherSchools — May' 2024
- Data Structures and Algorithms | iamneo — Dec' 2023
- Object Oriented Programming | iamneo — Dec' 2023

EDUCATION

- **Lovely Professional University** Punjab, India
  Bachelor of Technology - Computer Science and Engineering; ***CGPA: 8.28*** *Since Aug' 2022*
- **Sasi Junior College** Tanuku, Andhra Pradesh
  Intermediate (PCM); ***Percentage: 96%*** *May' 2022*
- **Roots School of Essential Faculties** Tanuku, Andhra Pradesh
  Matriculation; ***Percentage: 98%*** *May' 2020*