

Tejendra Chowdary Chaparala

Data Engineer

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PROFILE

Associate Data Engineer with a B.Tech in Computer Science (Hons) specializing in Cybersecurity. Skilled in Python, SQL, Java, Spark, Databricks, Linux, and REST APIs, with a strong focus on building secure, scalable data pipelines. Combines data engineering expertise with cybersecurity principles to ensure performance and integrity. Passionate about solving complex challenges and leveraging modern tools to deliver impactful data solutions.

PROFESSIONAL EXPERIENCE

Associate Data Engineer

RandomTrees ☑

10/2024 – Present

Hyderabad, India

- Developed robust solution accelerators to streamline the migration of tables, data, and views, ensuring seamless reconciliation across diverse platforms, including Oracle, SAP HANA, Databricks, BigQuery, MySQL, and Teradata.
- Enhanced data processing efficiency by optimizing complex SQL queries and refining data models for improved performance and scalability.
- Collaborated with cross-functional teams to design and deliver data-driven solutions that empowered business intelligence and informed strategic decision-making.

Data Engineering Intern

RandomTrees ☑

07/2024 – 10/2024

Hyderabad, India

- Contributed to building scalable data pipelines for processing and transforming large datasets efficiently.
- Optimized SQL queries and refined data models, improving overall data processing performance and reliability.
- Worked closely with cross-functional teams to implement data-driven solutions that supported business intelligence and strategic insights.

PUBLICATIONS

An Analysis on Conversational AI: The Multimodal Frontier in Chatbot System Advancements ☑

IEEE

- Published an IEEE research paper on conversational AI, emphasizing multi-modal systems and optimization techniques.
- Proposed advanced approaches, including transfer learning, to enhance AI performance and scalability.

PROJECTS

Morse Code Translator ☑

- Developed a Python-based GUI application to convert text to Morse code and vice versa, ensuring seamless and accurate transformations.
- Designed intuitive input fields and integrated real-time conversion capabilities, delivering an enhanced user experience.

CERTIFICATES

- Databricks Data Engineer Professional ☑

SKILLS

Programming Languages: Python, SQL, Java

Databases & Data Warehousing: MySQL, SQL Server Management Studio (SSMS), Snowflake, Databricks, Oracle

Big Data & Processing: PySpark, Apache Kafka, Apache Airflow

Data Modeling & ETL: Data Modeling, ETL Pipelines

Frameworks & APIs: FastAPI

Operating Systems & Administration: Linux System Administration

Automation: Robotic Process Automation (RPA)

Version Control: Git

Cloud Platforms: Azure

EDUCATION

Bachelor of Technology in Computer Science

Lovely Professional University ☑

2020 – 2024

Phagwara, India

Higher Secondary Education

Sri Chaitanya Junior College ☑

2018 – 2020

Gudavalli, India