Lakshmanarao Kodela
Data Engineer

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Profile Summary

Aspiring Data Engineer with 2 years of experience in designing and optimizing ETL processes, data pipelines, and conducting in-depth data analysis. Proficient in data modeling, schema design, trend analysis, and regression analysis to deliver actionable insights for business intelligence. Skilled in leveraging tools like Power BI and Incorta to transform complex datasets into meaningful insights and interactive dashboards. Expertise in SQL, Python, and cloud-based analytics for seamless data migration, integration, and optimization. Experienced in managing both batch and real-time data processing tasks to support dynamic, data-driven environments. I am committed to continuous improvement and eager to leverage advanced machine learning and data analytics to driveinnovation in industrial manufacturing.

Technical Skills

Programming Languages: Python, SQL, Go

Data Tools & Platforms: Incorta, Snowflake, AWS S3, Power BI, Pandas, Matplotlib, Seaborn, Pyspark

Databases: SQL Server, MySQL, PostgreSQL

Other Skills: ETL, Data Warehousing, Data Migration, JSON APIs, Data Visualization, AI/ML (Basic), Data Cleansing

Professional Experience

Project # 1: Data Migration Project   *Feuji Inc.*
Technologies: Python, Pandas, SQL Server, AWS S3, Snowflake
Role: Associate Software Engineer
Description: Executed a strategic Data Migration Project using Python, Pandas, SQL Server, and PostgreSQL. Successfully orchestrated the seamless transfer of data from SQL Server to various sources like S3, Snowflake, and MySQL, ensuring uninterrupted business operations. Developed a Python automated script to optimize the migration process.
Roles & Responsibilities:

- Analyzed business requirements, functional, and technical specifications for the data migration project.
- Developed and maintained Python scripts for data migration using Pandas and SQL.
- Designed and implemented data transformation workflows to ensure data consistency.
- Conducted thorough quality assurance and testing procedures to guarantee data accuracy and reliability. Provided post-migration support and documentation to ensure a smooth transition.
- Collaborated with cross-functional teams to address any migration issues and enhance the process.

Project # 2: Business Insights with Power BI   *Feuji Inc.*
Technologies: Power BI, AWS S3, SQL Server
Role: Software Engineer
Description: Led a project utilizing Power BI to transform raw data into actionable business insights. Developed dynamic dashboards with key performance indicators (KPIs) to support strategic decision-making.
Roles & Responsibilities:

- Analyzed and interpreted business requirements to design and develop Power BI reports and dashboards.
- Integrated data from multiple sources, including AWS S3 and SQL Server, into Power BI.
- Developed complex DAX queries to create metrics and KPIs that drive business insights.
- Optimized dashboards for performance and user experience, ensuring efficient data visualization. Provided training and support to stakeholders on using Power BI dashboards and reports.
- Collaborated with business analysts to refine data models and enhance reporting accuracy.

Education

B.Sc. in Computer Science & Statistics   *Maharajah's Autonomous College* — 2022 — CGPA: 9.65

Certifications & Achievements

- Incorta Technical Certification
- Data Visualization (Looker) by Google
- Snowflake Data Warehousing Workshop
- Appreciation of Best Employee
- Awarded as Topper and President of the College.