

GEETHU PADINJASSERIL UDAY

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Results-driven Data Engineer with 3+ years of experience in data integration, ETL workflows, and data pipeline development. Proficient in Python, SQL, and big data technologies such as PySpark and Hadoop. Demonstrated expertise in automating data ingestion, building scalable data workflows, and ensuring data integrity to support analytics and decision-making. Completed a Master's in Data Science and Statistical Learning, with hands-on experience in machine learning, predictive modeling, and big data processing. Seeking to leverage strong technical skills to contribute to data-driven engineering solutions in a dynamic environment.

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, Dataweave

Web Technologies: XML, WSDL, RAML, YAML

Big Data Tools: PySpark, Databricks, Hadoop

Databases: MS SQL Server, MySQL

Cloud Platforms: Azure

Data Visualization: Power BI

Tools & Frameworks: MuleSoft, GitLab, Postman, Salesforce, JIRA

WORK EXPERIENCE

IQVIA, Kochi, India

Software Developer- Data Integration | Oct'20 – Aug'23

- Designed and developed robust ETL pipelines for batch and real-time data processing, improving system efficiency and data accessibility.
- Integrated Salesforce, SAP, and other enterprise systems using MuleSoft to streamline data flows and ensure consistency.
- Built scalable data pipelines using Python and SQL, enabling the automated ingestion, transformation, and validation of large datasets.
- Optimized SQL queries and database performance, reducing data retrieval times by 25% and improving reporting workflows.
- Automated monitoring processes using custom error-handling modules and configured alerts to ensure pipeline reliability.
- Implemented CI/CD pipelines using GitLab for efficient deployment and version control of data integration processes.
- Collaborated with cross-functional teams to gather requirements, design solutions, and align integration workflows with business goals.

ETL Developer Intern | Jan'20 – Apr'20

- Created APIs using MuleSoft with connectors like HTTP, Salesforce, and SFTP for seamless data integration across platforms.
- Wrote and optimized SQL scripts to validate and transform data, ensuring accuracy and completeness for reporting purposes.
- Developed reusable ETL workflows using SSIS for data extraction, transformation, and loading from multiple sources.
- Participated in the full development lifecycle, automating repetitive tasks to improve productivity and reduce processing times.

EDUCATION

Master of Science in Data science and Statistical Learning | 3.23/4.0 GPA

University of Limerick | 2023- 24

B.E. Civil Engineering (Honours) | 8.48/10.0 GPA

APJ Abdul Kalam Technological University, Kerala | 2016-20

PROJECTS

Book Recommendation System

- Engineered a collaborative filtering-based recommendation engine using Databricks PySpark.
- Designed and optimized data preprocessing workflows for improved accuracy in book recommendations.
- Visualized user insights using Power BI to deliver actionable recommendations.

Statistical Analysis of Housing in Ireland

- Conducted regression analysis and time series forecasting to identify key factors influencing rent trends in Ireland.
- Built predictive models to forecast rental prices, achieving a 20% improvement in prediction accuracy.

Prediction of Lymphoedema in Breast Cancer Patients

- Developed a predictive model using statistical and machine learning methods to identify risk factors for lymphoedema in breast cancer patients, aiming to improve early detection and patient outcomes.
- Conducted feature engineering, evaluated multiple models, and optimized hyperparameters to achieve an 85% accuracy rate.

CERTIFICATIONS

- Salesforce Certified MuleSoft Developer I
- Salesforce Certified Administrator
- Microsoft Certified Azure Fundamentals
- Copado Certified Fundamentals 1