

Yeswanth sai Vuddula

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Summary:

Data Engineer/Analyst with over 1 year of experience in multiple technologies, specializing in Python, R, SQL, data analytics, visualization, and machine learning models. Proficient in managing data pipelines and working with databases such as MySQL, Microsoft SQL Server, and Oracle SQL Server. Demonstrates excellent problem-solving, communication, analytical, and programming skills, with a proven track record of delivering data-driven solutions.

Education:

Illinois Institute of Technology (Aug 2022- May2024)

Masters in Computer Science

GPA: 3.2/4

Chicago, IL

SRM Institute of Science & Technology (2017-2021)

Bachelor of Technology in Electronics and Communication Engineering

GPA: 7.67/10

Chennai, India

Technical Skills:

Programming Languages: Python, Java, HTML/CSS, JavaScript, SQL, React, C, C++, R, Hadoop

Cloud Platforms: AWS (EC2, S3, IAM, RDS, EMR, Redshift, Athena, VPC, CloudWatch) and Azure (Databricks)

Databases: MySQL, MongoDB, Microsoft SQL Server

Tools: VS Code, Eclipse, Android Studio, Spyder, Jupyter Notebook, RStudio, Oracle SQL Developer, Excel

Others: PowerBI, PySpark, Git, MS Office, MS Project, MATLAB, Linux, NumPy, pandas, scikit-learn, Matplotlib

Experience:

Cognizant

Bengaluru, India

Data Analyst/Engineer - Project: Gilead US Commercial Analytics

Aug 2021 - Aug 2022

- Developed and optimized Directed Acyclic Graphs (DAGs) using AWS Managed Apache Airflow, significantly improving workflow automation and data processing efficiency.
- Enhanced data extraction processes by 20% through the use of PySpark, ensuring secure and efficient storage of large datasets in AWS S3.
- Collaborated with end-users to resolve complex data-related issues using AWS Athena and EMR, improving data accuracy and system reliability.
- Collected, transformed, and loaded data using MySQL commands, effectively managing data pipelines and ensuring seamless integration by storing processed data in S3 buckets and triggering DAGs.
- Generated, validated, and visualized detailed reports, promptly tracking and resolving data issues, thereby facilitating informed decision-making for stakeholders.

Cognizant

Bengaluru, India

Data Analyst Intern

Jan 2021 – May 2021

- Collected and transformed data from multiple teams using MySQL queries and Python in Azure Databricks, ensuring data integrity and consistency.
- Created dynamic visualizations and dashboards in Power BI, delivering actionable insights to stakeholders and enhancing decision-making processes.
- Collaborated with cross-functional teams to identify data requirements and troubleshoot data-related issues, contributing to project success and gaining hands-on experience with MySQL, Python, Azure Databricks, Microsoft SQL Server, and Linux.

Evolet Technologies

Bengaluru, India

Java Developer - Intern

Nov 2019 – Dec 2019

- Developed an Online Exam portal using HTML/CSS, JSP, and Java as part of a team of four.
- Reduced exam setup time by 30% through efficient design and implementation.
- Involved in all phases of the software development life cycle, including design, development, and testing.

Recent Academic Projects:

Ridesharing App for Demand Prediction and Optimized ETAs

Mar 2024

- Developed a ridesharing application using React JavaScript, MongoDB, HTML, CSS, and Firebase for authentication. Implemented AI and ML models to predict rider demand and improve ETA accuracy by analyzing historical ride patterns, weather conditions, and local events. Optimized driver allocation, reducing wait times and enhancing user satisfaction, setting new standards for efficiency and reliability.

Customer churn prediction on sparkify dataset

Dec 2023

- Predicted customer churn using the Sparkify Dataset (small dataset - 128 MB & complete dataset - 12 GB). Analyzed data using Spark DataFrame, Spark SQL, and Spark ML API with PySpark. Deployed a Spark cluster on AWS and visualized insights with Tableau.

Certifications:

- Azure Fundamentals: **Microsoft Certified**, Database Management essentials: **Coursera**
- Amazon Web Services: **Udemy**, Azure Databricks and Spark Core for Data Engineers: **Udemy**
- Python and Statistics for Financial Analysis: **Coursera**, Python Basics for Data Science: **IBM**