

Sai Teja Keerty

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WORK EXPERIENCE

TOWN FAIR TIRE

Connecticut, USA

Data Science Intern

Jun 2024-May 2024

- Conducted comprehensive Spark testing and migration from SQL to PySpark, optimizing data processes and resulting in a 50% reduction in web app display time.
- Orchestrated multiple concurrent processes on Spark, effectively mitigating SQL resource deadlocks and highlighting KPIs.
- Conducted detailed customer data analysis leveraging SQL, leading to the introduction of a rewards program based on annual visits, which increased customer retention by 3%.
- Created a Power BI dashboard to refine debt visualization, integrating stakeholders feedback to highlight actionable KPIs.
- Strategically planned and researched Apache Kafka and Spark, enabling the setup of complete dev, Test, and Prod environments from scratch.

Tata Consultancy Services

Hyderabad, India

Assistant System Engineer (Data Analyst)

Jul 2019-Jul 2021

- Improved report delivery by creating real-time Tableau dashboards for clients.
- Performed UAT in BigQuery, achieving 98% data accuracy after migrating from legacy systems to CDH.
- Innovated sales strategies targeting the top 20% of high-value users with advanced SQL queries, driving significant revenue growth.

System Engineer (Data Engineer)

Jul 2021-Jul 2022

- Utilized Google Cloud BigQuery to execute complex queries, providing critical customer insights for strategic business decisions.
- Increased productivity by 12% by automating sales reports using Python and Airflow, processing 10 million customer records
- Deployed scalable cloud pipelines using GitLab and Terraform, ensuring seamless production migration and achieving a 30% efficiency gain and 20% improved decision-making.

EDUCATION

University of New Haven

Connecticut, CT

MS in Data Science (GPA 3.7/4)

Aug 2022 May 2024

Relevant Course work: Machine Learning for data science, Data Management, Data Engineering

Andhra Pradesh, India

Bachelor of technology, Mechanical Engineering, Pragati Engineering College

Jul 2015-May 2019

SKILLS

Languages and ML Libraries: SQL, Python, R, PySpark, Pandas, NumPy, Scikit-Learn.

Databases and Tools: MySQL, TSQL, Power BI, Tableau, Excel, Jupyter-lab, Git, Quicksight.

Cloud Development and other skillset: Devops, Apache Spark, Drill Airflow, AWS S3, EC2, UAT testing, GCP, Terraform, CI/CD, Kubernetes, AWS, Azure, Networking, Linux

ACADEMIC PROJECTS

Project: Telecom Data Management and Automation on GCP

Jun 2023 - Aug 2023

- Automated telecom data tasks with Python scripts and DevOps on GCP, enhancing real-time data accuracy by 25%.
- Streamlined ASCII to CSV conversion with Apache Airflow on GCP, reducing processing time by 30%.
- Deployed scalable data pipelines on GCP using GitLab, boosting overall efficiency and decision-making.
- Conducted testing in BigQuery on GCP, achieving high data accuracy and generating reliable insights for project analysis.

CERTIFICATIONS

- Certified GCP Data engineer (PDE, GCP) Nov 2022
- Associate cloud engineer certification (ACE, GCP) May 2021

LEADERSHIP & INVOLVEMENT

- Experienced in engaging in university events, building relationships across academic levels. Skilled in volunteering for orientation days and mentoring junior students, fostering a supportive network for university-related assistance, including accommodation arrangements through University.