

SRITEJA SIMHADRI

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EDUCATION

University of Cincinnati, Cincinnati, OH

Aug 2024 – Present

Master of Engineering: Computer Science

Kakatiya Institute of Technology and Science, Warangal, India

Jul 2018 – May 2022

Bachelor of Technology: Computer Science Engineering | GPA: 3.53

PROFESSIONAL AND TECHNICAL WORK EXPERIENCE

Data Engineering Associate at Accenture, Hyderabad, India

Jan 2023 – Aug 2024

- **Data Integration:** Managed data pipelines for the Cigna client, extracting, transforming, and loading data from multiple sources into Snowflake, improving data accessibility.
- **Automation:** Developed Airflow DAGs to automate workflows in Databricks, reducing manual intervention
- **Data Validation:** Created a comprehensive data validation framework, ensuring accuracy in post-transformation data.
- **Team Collaboration:** Led critical initiatives, resolving production failures and improving team response times.
- **SQL Development:** Designed SQL transformations to convert raw data into actionable insights for stakeholders.

CERTIFICATIONS

- Databricks Data Engineering Associate
- Programming in Java - NPTEL
- Programming in C++ - NPTEL
- Python - Coursera

PROJECTS

Software Component Retrieval using NLP

- Developed a Python-based application utilizing Natural Language Processing (NLP) for retrieving software components, increasing retrieval efficiency.

Personalized Music Recommendation System

- Created a music recommendation app using Python, MongoDB, and Spotify API to deliver personalized playlists.
- Utilized K-means clustering for accuracy in recommendations and visualized listening trends using Matplotlib, increasing user engagement.

TECHNICAL SKILLS

Languages: Python, Java, C++, SQL, JavaScript, HTML5, CSS3

Frameworks: React.js, Bootstrap, PySpark

Tools: Databricks, Docker, Kubernetes, Git, GitHub

Cloud Platforms: AWS, Microsoft Azure, Jenkins

Databases: MySQL, PostgreSQL, MongoDB, Snowflake

Operating Systems: Linux, Windows, Ubuntu

EXTRACURRICULAR ACTIVITIES

- General Secretary, Computer Science Engineering Association, KITSW
2021-2022: Led student activities, fostering collaboration and engagement among peers.
- Football Captain, KITSW Football Team
2020-2022: Led the team to win the NITW Trophy in inter-college tournaments.

Cover Letter – Data Engineer Internship

Dear Hiring Manager,

I am writing to express my keen interest in the Data Engineer Internship at [Company Name]. With a strong foundation in data engineering, cloud computing, and big data technologies, I am eager to apply my skills and contribute effectively to your team.

As a Data Engineering Associate at Accenture, I worked on building and optimizing data pipelines using PySpark and Databricks, managing large-scale data transformations in a cloud environment. I was responsible for handling data ingestion from multiple sources into Snowflake and developed a framework to ensure data validation and accuracy post-transformation. Additionally, I automated ETL workflows using Apache Airflow and played a crucial role in troubleshooting critical production failures, ensuring minimal downtime and efficient data processing.

Currently pursuing a Master of Engineering in Computer Science at the University of Cincinnati, I have expanded my proficiency in Python, SQL, Apache Spark, and cloud platforms such as AWS and Azure. My academic and professional experiences have equipped me with the ability to design scalable, efficient, and reliable data solutions that align with industry best practices.

Beyond my technical expertise, I have demonstrated leadership skills as the General Secretary of the Computer Science Engineering Association at my undergraduate institution and led my university's football team, honing my ability to work collaboratively under pressure.

I am particularly drawn to [Company Name] due to its commitment to leveraging data-driven insights to drive innovation. I am confident that my analytical mindset, technical expertise, and passion for data engineering make me a strong candidate for this internship. I would welcome the opportunity to discuss how my skills align with your team's goals.

Thank you for your time and consideration.

Best regards,
Sriteja Simhadri

Statement of Interest – Data Engineer Internship

Dear Hiring Manager,

I am excited to apply for the Data Engineer Internship at [Company Name]. With a strong foundation in data processing, cloud computing, and big data technologies, I am eager to contribute my expertise and grow within your dynamic team.

As a Data Engineering Associate at Accenture, I worked on designing and optimizing data pipelines using PySpark and Databricks, handling large-scale data transformations in a cloud-based environment. My role involved ingesting data from multiple sources into Snowflake, developing a framework to validate data accuracy post-transformation, and automating ETL workflows using Apache Airflow. Additionally, I played a key role in resolving critical production failures, ensuring data integrity and seamless processing.

Currently pursuing a Master of Engineering in Computer Science at the University of Cincinnati, I have expanded my technical proficiency in Python, SQL, Apache Spark, AWS, and Azure. My academic background, coupled with hands-on experience, has equipped me with the ability to develop scalable, efficient, and reliable data solutions.

Beyond technical expertise, I have demonstrated leadership as the General Secretary of the Computer Science Engineering Association at my undergraduate institution and as a captain of my university's football team, fostering collaboration and strategic thinking under pressure.

I am particularly interested in [Company Name] because of its commitment to leveraging data-driven insights for innovation. I am confident that my analytical mindset, technical expertise, and passion for data engineering make me a strong candidate for this internship. I welcome the opportunity to discuss how I can contribute to your team.

Thank you for your time and consideration.

Best regards,
Sriteja Simahdri