AKHILA MYANA

Software Engineer

+91 9701540462 myanaakhila23@gmail.com AkhilaMyana Hyderabad, Telangana

Profile

Software Engineer with 2+ years of experience building and maintaining data applications and pipelines using Python, Airflow, SQL, Ansible, and Bash. Skilled in developing robust ETL workflows, deploying solutions on on-premise clusters, and troubleshooting complex data issues. Experienced in supporting downstream teams with clean, reliable data. A collaborative team player who takes ownership of tasks, maintains clear documentation, and consistently delivers high-quality solutions that contribute to business growth.

Skills

- **Programming Skills:** C, Java, Python, SQL, Scala Spark, Linux, Bash
- **Tools:** Apache Airflow, Git, GitHub, asammdf , Ansible, docker, Kubernetes
- **Cloud:** AWS (basics)
- **Data Analysis & ML:** Pandas, NumPy, Seaborn, Plotly, Tkinter, scikit-learn, Pattern Matching, Basic NLP
- **Documentation & Collaboration:** Confluence, JIRA

Certifications

- Data Architect (Udacity)
- Python Programming for Everybody (Coursera)
- Data Engineer Training
- Python Data Structures

Professional Experience

Stellantis – Hyderabad, India (2022 - present)

- Designed and maintained internal applications to process data collected from various vehicle sensors in MDF4 format, overseeing development, deployment, maintenance, and user support.
- Automated deployment workflows and environment configurations using Ansible across development clusters, managing configuration files and environment-specific setups for multiple applications.
- Orchestrated complex data workflows using Apache Airflow DAGs for processing, transformation, and pipeline monitoring, ensuring reliable data availability for downstream teams.
- Troubleshot and resolved technical issues related to internal applications and contributed to the development and testing of new features.
- Developed a Python application using the asammdf library to convert Vigem MDF4 files into Mobileye-compatible MDF4 format, addressing challenges such as timestamp alignment, missing data handling, attachment inclusion, and channel naming.
- Created and maintained detailed documentation in Confluence covering data workflows, new features, process changes, and issue resolutions to support effective team knowledge sharing.
- Audited real-time LiDAR and camera data in the Legacy pipeline using the Scale Audit Tool, reviewing 2D and 3D annotations (bounding boxes, lane markings, traffic elements, vehicles, and pedestrians) to ensure accuracy, consistency, and completeness based on project guidelines.
- Identified and reported annotation issues such as missing labels, misclassifications, and misaligned boxes, documented findings and provided feedback to improve data quality and labelling standards for autonomous driving systems.
- Developed a Python-based GUI application using Tkinter to automate the analysis of unstructured Excel data for ADAS-related issues through keyword pattern recognition, text preprocessing, date-based filtering, and a machine learning-driven classification pipeline, supporting scalable ADAS incident analysis and automated report generation.

Education

B.Tech - Information Technology **(2018 - 2022)**
JNTUH College of Engineering Jagtial CGPA: 7.96