Akhila Kudupudi

Fairfax, VA - 22030 | akhila06121999@gmail.com | +1 5712785761 | linkedin.com/in/akhila-kudupudi
github.com/Akhila-kudupudi

Summary

Results-driven Data Analytics Engineer with 3+ years of experience delivering solutions in DevOps, JDA WMS/TMS consulting, and data engineering. Adept at automating processes, developing operational screens, and managing logistics platforms. Open to data-driven roles across analytics, engineering, or consulting domains.

Education

George Mason University, Fairfax, VA, MS in Data Analytics Engineering   Aug 2023 – May 2025

- GPA: 4.0/4.0
- **Coursework:** Machine Learning, NLP, Data Visualization, Cloud Computing
- **Tools:** Python, SQL, Tableau, AWS, Neo4j

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India   July 2017 – July 2021

- B.Tech in Electrical and Electronics Engineering
- GPA: 3.6/4.0

Technical Skills

- **Languages:** Python, SQL, C, Unix, XML, R, PySpark, PL/SQL
- **Reporting Tools:** Google Data Studio (Looker Studio), Tableau, Power BI, Excel, IBM Cognos
- **Databases:** MySQL, SQLite, MongoDB, Oracle SQL, SSMS, PostgreSQL, Neo4j
- **ML Libraries:** Matplotlib, Seaborn, Pandas, NumPy, Scikit-learn, TensorFlow, NLTK, PyTorch, Spacy
- **Cloud Platforms:** Databricks, AWS (incl. Neptune), Azure, GCP
- **Other Technologies:** MS Office Suite (Word, PowerPoint, Outlook), ServiceNow, Putty, GitHub, Azure DevOps
- **Interpersonal Skills:** Communication, Problem-Solving, Adaptability, Critical Thinking, Detail Oriented

Experience

DevOps Engineer & JDA WMS/TMS Consultant, Tata Consultancy Services(TCS), India   Aug 2021 – Aug 2023

- Worked with Australian retail client Woolworths and other ANZ-based businesses to implement JDA solutions.
- Developed WMS operational screens for load planning, palletization, and outbound optimization.
- Designed TMS modules to support freight bill automation, voucher generation, and dock appointment scheduling.
- Used ServiceNow extensively for incident, request, change, and problem management.
- Automated CI/CD pipeline deployments with Shell scripts in Unix environments and Azure DevOps.
- Generated financial and order planning reports with SQL and Oracle SQL Developer.
- Created operational dashboards in IBM Cognos for warehouse and transportation data.
- Recognized with 4× "Star of the Sprint" awards for projects like ARDC GoLive and Xdock enhancements.
- **Skills:** SQL, Shell Scripting, Unix, Oracle SQL Developer, IBM Cognos, JDA WMS, JDA TMS, ServiceNow, GitHub, Azure SQL, Agile, Putty

Publications

InfoTech Assistant: A Multimodal Conversational Agent for IT Web Portal Queries
IEEE Big Data Conference, Washington, DC — **Dec 2024**
Authors: Surya Gadiraju, Duoduo Liao, ***Akhila Kudupudi***, Santosh Kasula, Charitha Chalasani
An IEEE-published paper presenting an AI chatbot for IT portals, using LLMs, speech recognition, and multimodal UX to enhance helpdesk efficiency and user engagement.

Projects

InfoTech Assistant: A Multimodal Conversational Agent   github.com/Infotech-Chatbot
- Designed an intelligent assistant for IT queries integrating voice/text inputs with LLMs.
- Published by IEEE; powered by LLaMA, JSON extraction, Flask API, and speech interface.
- **Tools:** Python, Meta LLaMA, Flask, HTML/CSS, JSON

Augment Linkage: Evidence and Exploration   github.com/LinkageEvidence
- Mapped fentanyl trafficking networks using AWS Neptune and Neo4j graph models.
- Built interactive Tableau dashboards for visualizing suspicious company linkages.
- **Tools:** Python, Gremlin, Cypher, Tableau, AWS Neptune

Car Crash Analysis Pipeline   github.com/Car-Crash
- Built a crash severity ML model on 170K+ records; created dashboards on injury patterns.
- **Tools:** PySpark, Google Colab, MongoDB, Tableau