BHANU TEJA KURAKULA

United States (Open to relocate) | k.bhanuteja2001@gmail.com | linkedin | github | Portfolio | +1-(217)926-2758
AWS Solutions Architect-Associate | AWS Machine Learning - Specialty | Databricks Certified Data Engineer

SUMMARY

Data professional with experience across the full data spectrum—from engineering pipelines to delivering predictive insights that matter. Not just educated, but battle-tested through real-world challenges across multiple industries.

WORK EXPERIENCE

Data Engineering Intern - AGCO Corporation
June 2024 - Present

- **Engineered over 10+ complex ETL pipelines** on AWS, standardizing tractor sales data across the European Region.
- Translated Alteryx workflows into PySpark jobs, **saving $20K in licensing costs**, making it cost effective.
- Implemented infrastructure provisioning by IaC, **reducing deployment time by 30%** , minimizing manual setup errors.
- Developed over 15+ tableau prep workflows flows and a dashboard as part of decommissioning effort.
- Collaborated with stakeholders to build logical data maps and documented user manuals to ensure smooth handover.

Technologies Used: Tableau, Prep, Alteryx, SSMS, AWS(Glue, S3, Athena, CloudWatch, SNS, RDS, CloudFormation, lambda)

Data Engineer - CTS
September 2022 - July 2023

- Enhanced production warehouse reliability by **overseeing 200+ metrics and 100+ jobs** ensuring uninterrupted data flow.
- Improved performance by writing **optimized SQL queries** resulting in 20% reduced query execution time.
- Collaborated with the upstream team to **reduce scorecard delay by 15-20 minutes** on a year over year basis.
- Presented a ML POC on fraudulent data claims to over 10+ warehouse managers demonstrating potential integration.

Technologies Used: Snowflake, Grafana, Tableau, SQL, Airflow, Python, MLaaS

Data Engineer Intern - CTS
March 2022 - July 2022

- Engineered an ETL pipeline for a dataset with **4M+** records, leveraging various Azure services as part of L&D program.
- Implemented a batch data pipeline using **Delta Live Tables (DLT**) to process a **2GB** dataset, created interactive dashboards using Databricks SQL for data visualization and reporting.

Technologies Used: Databricks, Pyspark, SQL, Excel, Azure (Blob Storage, PowerBI, Synapse, Functions, Data Factory)

Data Science and Analytics Intern - PhysioAI
January 2022 - February 2022

- Enhanced user experience by developing a real-time yoga assistant to accurately detect and classify over **30+** yoga poses.
- Developed a progress tracker by **capturing user performance in real time through 40+ metrics**, enabling analysis.

Technologies Used: Postgres, SQL, Python, Tensorflow, Streamlit, Tableau

PROJECTS

Kafka-Based Real-Time Data Processing Pipeline | Confluent Kafka, docker
   Developed a Kafka-based pipeline, processed data, ensured privacy compliance, and provided real-time insights.

Credit Card Rewards Pipeline |Terraform, Docker, ECR, Pyspark, Redshift, Glue, S3, Lambda, Looker Studio, Prefect
   Developed a serverless pipeline, transformed data, optimized schema, orchestrated workflow & visualized insights.

Coupon Accepting MLOps Pipeline | MLFlow, EC2, S3, RDS, Terraform, Docker, Prefect, Github Actions
   Built a MLOps pipeline, enabling experiment tracking, workflow orchestration, and automated deployment using CI/CD.

Decentralized App for Covid-19 Prognosis using AI |Dash-Plotly, Tensorflow, Flask, ReactJs, Ganache, Solidity
   Developed a POC to securely store medical records, including test results generated by trained CNN models, on to a blockchain.

EDUCATION

University of Illinois, Urbana-Champaign
August 2023 - May 2025

Master of Science - Information Management (Data Science & Analytics pathway) (GPA 3.94/4.0)
Relevant Coursework : Data Modeling, Database Design, Data Warehouse and Business Intelligence, Data Governance, Statistics

Amrita University
July 2018 - June 2022

Bachelor of Technology - Electronics and Communication Engineering (GPA 3.35/4.0)

SKILLS

Programming Languages	: Python, SQL, Pyspark, R
Platforms & Frameworks	: AWS, Databricks, Alteryx, SQL Server, Confluent Kafka, Office, Azure
Tools	: Docker, Tableau, Airflow, Terraform, Git, Postgres, MongoDB, Grafana, PowerBI
Libraries	: Numpy, Pandas, Scikit-learn, Matplotlib, Streamlit, Tensorflow, Plotly, Faust

ACHIEVEMENTS

- **HoneyWell HackathonWinner, 2021 :** Secured **1st position out of 180 teams** for developing a POC on smart traffic system, **winning $500**.
- **Rising Star Award, 2022 :** Awarded for being the **best College Hire** based on client feedback, L&D Performance and leadership ratings.