

BHANU TEJA KURAKULA

☎ 217-926-2758 | ✉ bhanutk2@illinois.edu | [in linkedin.com/bhanukurakula](https://www.linkedin.com/in/bhanukurakula) | github.com/bhanuteja2001 | 📍 United States

EDUCATION

University of Illinois at Urbana-Champaign

August 2023 – May 2025

Master of Science in Information Management, (Data Science and Analytics)

(GPA: 3.94/4)

Relevant Courses: Data Modeling, Database Design & Prototyping, Data Warehouse and BI

Amrita University

July 2018 – June 2022

Bachelor of Technology in Electronics and Communication Engineering

(GPA: 3.34/4)

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages : Python, SQL, Pyspark, R

Platforms & Frameworks : AWS, Snowflake, Databricks, Azure, Airflow, Tensorflow, Kafka, Kubernetes

Tools : DBT, Terraform, Tableau, Git, Grafana, Postgres, MongoDB, Docker, Alteryx

Certifications : [AWS Solution Architect Associate](#), [AWS Machine Learning Specialty](#)

WORK EXPERIENCE

AGCO Corporation

June 2024 – Present

Data Engineering Intern

- Engineered 10+ complex ETL pipelines using AWS Glue, S3, and lambda, ensuring seamless data integration and conforming, resulting in standardized tractor sales data across the European Region.
- Utilized PySpark to improve data processing efficiency by translating Alteryx workflows into multiple glue jobs, implementing comprehensive error-handling & unit testing to uphold data quality across all stages.
- Implemented infrastructure provisioning by adopting IaC approach with CloudFormation and YAML, enhancing scalability, automation, and reducing deployment time by 30% while minimizing manual setup errors.
- Developed and orchestrated the workflows using Glue Workflow & Step-functions, utilizing SNS for automated notifications and CloudWatch for monitoring, reducing manual intervention.
- Conducted data discovery and created data lineage maps to facilitate workflow migration. Collaborated with stakeholders to document data flows and business requirements, ensuring a seamless transition through UAT.

Cognizant Technology Solutions

DataOps - Data Engineer

September 2022 – July 2023

- Enhanced production data warehouse reliability by leveraging Snowflake, DBT, Dagster and Grafana to monitor and troubleshoot issues, overseeing 200+ metric dependencies and guaranteeing continuous data flow.
- Improved performance by optimizing SQL queries, resulting in 20% reduction in query execution. Reduced tableau scorecard delay by 40% by collaborating with downstream and upstream teams.
- Spearheaded a proof of concept (POC) for detecting fraudulent insurance claims using machine learning, showcasing innovation for future production integration. Demonstrated potential for improving data quality.

Data Engineer Intern

March 2022 – July 2022

- Designed and implemented a scalable, fault-tolerant data pipeline for datasets with over 4M+ records, leveraging Lambda and Glue for ETL transformations, Redshift as the Data Warehouse, and S3 as the data source.
- Executed complex data processing and analysis tasks in Databricks on datasets exceeding 100GB, leveraging distributed computing and Delta Lake optimizations to enhance performance and efficiency.

PhysioAI

January 2022 – February 2022

Data Science and Analytics Intern

- Developed a real-time yoga assistant using Azure, TensorFlow, and MediaPipe to accurately detect and classify over 30+ yoga poses, integrating a voice assistant feature for real-time guidance and pose correction.
- Captured user progress through 40+ metrics and managed user data on PostgreSQL. Used Tableau to create a progress tracker and presented the POC during the monthly incubator meet.

Ineuron.ai

September 2020 – January 2021

Data Science Intern

- Spearheaded the life cycle of three categories of a warehouse project by scraping over 10K+ images per category using Selenium, annotated images using labelImg, and trained various CNN models to achieve the best results.
- Ensembled and deployed the best performing models to production, enhancing operational efficiency.