Mmesoma Udensi

◉ Urbana, IL   ✉ mudensi2@illinois.edu   📞 (214) 813-4470   in mmesomaudensi   ○ udensidev

Education

University of Illinois at Urbana-Champaign   *Champaign, IL*
M.Sc. in Business Analytics   *May 2025*
- GPA: 4.0/4.0
- Coursework: Big Data Analytics, Enterprise Database Management, Financial Risk Management
- Activities: Illinois Business Consulting (IBC), Financial Engineering Club

University of Lagos   *Lagos, Nigeria*
B.Sc. in Electrical and Electronics Engineering   *Oct 2023*
- GPA: 4.38/5.0, ranked top 5% in class

Experience

Data Engineer Intern (Lead)   *Washington, DC*
Credential Engine (Capstone Project)   *Sept 2024 – present*
- Developed a data pipeline using Python and Gemini API to ingest and process 50+ support service credentials from 5+ universities
- Implemented a RESTful API to serve the data to the Credential Engine registry
- Deployed a web application to visualize the data using Flask

Market Research Consultant   *Cape Town, South Africa*
JUMO   *Nov 2023 – Dec 2023*
- Conducted market research on the financial behavior of 100+ small businesses using surveys and interviews
- Researched the competitive landscape of the consumer lending industry in Nigeria covering 60+ companies
- Recommended strategies to improve regional positioning based on the research findings

Machine Learning Engineer Intern   *Lagos, Nigeria*
Babban Gona   *Nov 2019 – Oct 2020*
- Contributed to the development of a computer vision model to predict crop health
- Increased the accuracy of the model by 10% by annotating 10,000+ images

Projects

[Property Valuation Model](#)   *Nov 2024*
A predictive model that estimates the value of residential properties in Cook County, IL
- Wrangled and cleaned 50,000+ real estate listings in historical sales data using R
- Engineered 20+ features to train a random forest regression model with an R^2 score of ~0.84

[Yelp Restaurant Business Intelligence](#)   *Oct 2024*
An ETL pipeline that extracts, transforms, and loads Yelp restaurant data into a Microsoft Azure SQL database
- Extracted 6M+ restaurant reviews and ratings from Kaggle's public Yelp dataset
- Transformed the data into a star schema to analyze and provide insights for opening a new restaurant

Skills

Programming: Proficient with Python, R, SQL, SAS, Bash and Git; good understanding of cloud computing

Data Analysis: Experience with data visualization, machine learning, and statistical analysis

Tools: AWS Athena, AWS Glue, AWS RDS, Knime, MongoDB, Postman, RStudio, Tableau, Visual Studio Code

Certifications: Google Data Analytics, AWS Certified Cloud Practitioner, AWS Data Engineer - Associate