

Mmesoma Udensi

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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)

June 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 models 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, Knime, MongoDB, Postman, RStudio, Tableau, Visual Studio Code, Wolfram Mathematica

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