

# Mmesoma Udensi

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## Education

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### 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

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### 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

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### [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  $\sim 0.84$

### [Yelp Restaurant Business Intelligence](#)

*Oct 2024*

An ETL pipeline that extracts, transforms, and loads Yelp restaurant data into a Microsoft SQL Server database

- Extracted 1M+ restaurant reviews and ratings using the Yelp API
- Transformed the data into a star schema to analyze and provide insights for opening a new restaurant

## Skills

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**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