

# CHIDI-AKOMA CHIKAMSO DAVID

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## EDUCATION

**Federal University of Technology, Owerri**

Bachelor of Mechanical Engineering;

Imo, Nigeria.

August 2020 – August 2025

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## SKILLS SUMMARY

- **Languages:** Python, SQL
- **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib,
- **Tools:** Power BI, Excel, PowerPoint, Tableau, MySQL, SQLite3
- **Platforms:** Spyder, Jupyter Notebook
- **Soft Skills:** Storytelling with Data, Effective Adaptability, Analytical Thinking, Problem-Solving

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## WORK EXPERIENCE

### DATA ANALYST INTERN | TECHRATIVE

**August 2024 -**

- Streamlined data collection and reporting procedures, reducing processing time by 20% enhancing efficiency.
- Implemented process improvements and automation solutions, resulting in 15% increase in productivity.
- Collaborated with 3+ cross-functional teams to gather requirements, define project scopes, and ensure alignment with business objectives, fostering effective teamwork and project success.
- Produced 15+ comprehensive reports and presentations summarizing findings and recommendations, facilitating clear communication with stakeholders and driving actionable outcomes.
- Conducted in-depth market research and analysis, resulting in identification of 10+ key trends and insights that informed strategic decision-making processes.

### DATA ANALYST INTERN | ACCENTURE

**December 2023 - January 2024**

- Completed a simulation focused on advising a hypothetical Social Media client as a Data Analyst at Accenture North America.
- Cleaned, modelled and analysed several datasets to uncover insights into content trends to inform strategic decisions.
- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders.

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## PROJECTS AND ACCOMPLISHMENTS

### 1st runner-up, Innovate with Forvis Mazars Hackathon

June 2024

- Developed Smart-Audit, an innovative AI-powered tool designed to streamline the auditing process, making it faster, more efficient, and less tedious.
- Performed extensive research on the RAG (Retrieval-Augmented Generation) applications to allow Smart-Audit to strictly follow IFRS and GAAP standards.
- Integrated Azure OpenAI LLM (Large Language Model) into Smart-Audit.
- Rigorously understudied vector databases and integrated them to initial versions of Streamlit.

### Housing Price Prediction

June 2024

- Achieved an RSME of 44018.76 in forecasting the price of houses by developing and deploying a machine learning model.
- Managed data Integrity by handling missing values and encoding categorical variables, enhancing quality by 30%.
- Conducted experiments with regression algorithms to identify the most suitable approach.
- Performed rigorous feature engineering and hyperparameter tuning processes to increase precision.

### Credit Card Fraud Detection

August 2024

- Developed a fine-tuned logistic regression-based machine learning model achieving an 87% accuracy rate in predicting credit card fraud.
- Minimizes false positives by sampling though rigorous feature engineering and hyperparameter tuning processes.
- Implemented under-sampling and ensemble techniques to address class imbalance, leading to 15% improved performance.
- Successfully mitigated fraudulent transactions while optimizing model efficiency by 23% and accuracy by 6%.

### Social Media Sentiment Analysis

January 2024

- Identified key investment opportunities through sentiment analysis, resulting in 30% increase in ROI.
- Cleaned several datasets with varying content types and categories to achieve high data integrity.
- Modelled relationships between several datasets to ensure coherence and comprehensiveness.
- Created PowerPoint presentation slides to communicate insights to key stakeholders.

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## CERTIFICATIONS

### Certified Professional Data Analyst by DataCamp

July 2022

- Data analysis using python with recommended libraries (Pandas, Matplotlib, Seaborn) and software (Anaconda).
- Data analysis using SQL especially PostgreSQL flavour.
- Power BI and Microsoft Excel for visualizations, dashboards and reports.
- Data Communication and Storytelling ethics and practices.
- Machine learning using Sci-Kit Learn; Computer Vision, and Natural Language Processing.

### Introduction to Business Intelligence by

September 2023

### Corporate Finance Institute

- Roles of different data professionals in business intelligence
- Tools and languages utilized by data professionals

- Collaboration with multiple data professionals
- Integration of data visualizations and machine learning models into business decision-making.

**Data Analytics and Visualization Job Simulation by Forage**

**January 2024**

- Project Understanding
- Data Cleaning & Modelling
- Data Visualization & Storytelling
- Communicating insights to clients and stakeholders.