

BEECROFT ARNOLD OLUWATOBILOBA

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PROFESSIONAL SUMMARY

Data Scientist and current Master's student in Data Science with a strong foundation in machine learning, data analytics, and software development. First-Class Computer Science graduate experienced in building predictive machine learning systems, NLP applications, business intelligence dashboards, and data-driven web solutions. Skilled in Python, SQL, machine learning model development, data visualization, and analytical storytelling, with domain exposure in the energy sector and applied AI research.

NOTABLE ACHIEVEMENT

- Awarded Tutor of the Year by the Department of Computer Science for the 2023/2024 and 2024/2025 academic sessions.
- Recognized as the Most Innovative Final-Year Student in the Department of Computer Science.

SKILLS

Technical Skill:

Python, Data Visualization with PowerBI, Apache Spark , SQL, Machine Learning (Training and FineTuning Models), Researching and Design Thinking.

Soft Skill:

Collaboration, Problem Solving, Communication, Adaptability and Creativity.

EDUCATION

NUTM | *Master of Science in Data Science*

Lagos State , Nigeria | 02/2026 – Present

- Actively applying machine learning, big data analytics, and data visualization techniques through practical projects, coursework, and industry-oriented problem solving.
- Developing business acumen through TedLab (Technology, Entrepreneurship and Design Lab) sessions and industry-led masterclasses at NUTM, emphasizing the development of value-driven data solutions.

FUPRE | *Bachelor of Science in Computer Science*

Delta State, Nigeria | **08/2021 - 12/2025**

- Cumulative **GPA: 4.58/5.00** (First Class)
- Represented the academic and administrative interests of over 500 students within the Department of Computer Science as a legislative representative in the Student Union Government (2022/2023), contributing to student advocacy and departmental engagement initiatives.
- Served as a member of the Student Union Government Academic Committee (2024/2025), coordinating technical tutorials and academic support programs aimed at improving student learning outcomes and academic engagement.
- Relevant Coursework: Introduction to Petroleum Engineering (Grade: **A**)

EXPERIENCE

SUPREMEWEB | *Data Analyst & Web Developer Intern*

Lagos State, Nigeria | **06/2024 – 12/20224**

- Assisted in the development of both the logical schema and physical schema for a mining company
- Built a full- stack CRUD application enabling dynamic real-time task management and productivity tracking for end-users.
- Developed a web-based celebration platform enabling real-time social interaction, receiving over 24 user engagements.

PROJECTS

PERMEABILITY PREDICTION SYSTEM

- Developed a machine learning application for predicting rock permeability from subsurface well-log measurements using Random Forest regression.
- Processed and analyzed .las (Log ASCII Standard) well-log files used in petroleum and geoscience workflows.
- Built and compared Linear Regression, Random Forest, and Support Vector Regression (SVR) models using GroupKFold cross-validation and hyperparameter tuning.
- Designed an end-to-end ML workflow covering data preprocessing, feature scaling, exploratory analysis, model evaluation, and deployment through Streamlit.
- Utilized well-log parameters including Gamma Ray (GR), Resistivity (RT), Neutron Porosity (NPHI), and Bulk Density (RHOB).

ENGLISH TO ITSEKIRI NEURAL MACHINE TRANSLATOR

- Fine-tuned the AfriTeVa encoder–decoder transformer model for low-resource African language translation tasks.
- Curated and processed over 1,200 English–Itsekiri sentence pairs for supervised training and text preprocessing.
- Applied sequence-to-sequence deep learning techniques including tokenization and contextual language representation.
- Integrated the trained translation model into a web-based interface for real-time user interaction.

THE CASSAVA VALUE CHAIN GAP: COMPARATIVE DATA ANALYSIS OF PRODUCTION AND EXPORT PERFORMANCE

- Conducted a comparative analysis of cassava production, export value, yield, and post-harvest loss across Nigeria, Thailand, Cambodia, and Viet Nam using FAOSTAT datasets.
- Performed exploratory data analysis, data cleaning, and feature engineering using Python and Google Colab.
- Developed Power BI visualizations to communicate insight in productivity, consumption patterns, and export competitiveness.
- Applied storytelling techniques to communicate policy-oriented insights on agricultural efficiency and value chain performance.

PRODUCT SALES PERFORMANCE & BUSINESS INTELLIGENCE DASHBOARD

- Designed an interactive business intelligence dashboard for monitoring sales performance, competitor growth, and revenue projections.
- Built KPI-driven visualizations to track sales trends, forecast deviations, and target performance across business periods.
- Identified key business risks including stalled growth periods, missed sales targets, and increasing competitor market penetration.
- Developed recommendation-based insights focused on marketing strategy, online sales adoption, and retail partnership opportunities.
- Applied dashboard storytelling and executive reporting techniques to improve stakeholder decision-making and insight communication.

SOCIETY OF PETROLEUM ENGINEERS (SPE) REGISTRATION PORTAL

- Developed a web-based registration portal for the Society of Petroleum Engineers (SPE) FUPRE chapter.
- Automated participant registration and real-time Excel data recording for improved administrative efficiency.
- Enhanced accessibility and reduced manual data handling during student registration activities.

VOLUNTEERING ROLE

DATA SCIENCE NIGERIA FUPRE CHAPTER | *Volunteer Tutor*

- Educated a cohort of 20 students on the fundamentals of data, emphasizing its practical applications and transformative impact on modern society.

TEDX WARRI | *Accreditation Team Member*

- Assisted in managing over 600 online registrations, ensuring accuracy and operational efficiency throughout the accreditation process.
- Created and organized six distinct registration lists representing various associations and attendee categories.

THE TECH HOUSE | *Host & Community Manager*

- Coordinated and hosted events for a technology-focused student community, supporting students in developing industry readiness alongside academic growth.

NIGERIA ASSOCIATION OF COMPUTER SCIENCE STUDENTS | *Student Mentor*

- Mentored over 65 students on navigating the undergraduate SIWES program, providing guidance on securing placements and maximizing industrial training opportunities.