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MICHEAL PETERS OLATUNDE

08146399129 | mmpeters626@gmail.com | [LinkedIn Link] | [Portfolio/Streamlit Link] | [GitHub Link]

RESEARCH INTERESTS

Applied Machine Learning, Predictive Analytics, Explainable AI (XAI), and Algorithmic Transparency. Focusing on bridging the gap between high-performance modeling and human-centric interpretability.

EDUCATION

Bachelor of Technology Education | [Your University Name] | Expected July 2026

- Current Cumulative GPA: [Insert GPA]
- Quantitative Coursework:
 - Engineering Mathematics I & II: [Grade]
 - Statistical Methods: [Grade]
 - Numerical Analysis: [Grade]
 - *Focus: Built a rigorous mathematical foundation for data modeling and statistical inference.*

TECHNICAL SKILLS

- Programming: Python (NumPy, Pandas, Scikit-Learn, XGBoost, CatBoost), SQL.
- Model Interpretability: SHAP, LIME, Feature Importance, Permutation Importance.
- Deployment & Ops: Streamlit, GitHub, FastAPI, Git.
- Data Visualization: Matplotlib, Seaborn, PowerBI, Plotly.
- Documentation: LaTeX, Jupyter Notebooks, Markdown.

DATA SCIENCE RESEARCH PROJECTS

Explainable Predictive Analytics Dashboard | [Live Link]

- Developed a Gradient Boosting model to predict [Insert Target, e.g., Loan Default or Market Trends] using a dataset of [Size].
- Integrated SHAP (SHapley Additive exPlanations) to provide local and global explanations for model decisions, addressing the "black box" problem in AI.
- Deployed a real-time inference dashboard via Streamlit, allowing users to visualize how individual features impact specific outcomes.

Advanced Statistical Analysis & Forecasting | [GitHub Link]

- Performed multi-variate analysis on [Dataset Name] to identify key drivers of [Outcome].
- Applied feature engineering techniques (Handling skewness, encoding, and scaling) to improve model R-squared/Accuracy by [X%].
- Used Cross-Validation and Hyperparameter Tuning (GridSearch) to ensure model robustness and prevent overfitting.

Exploratory Data Analysis (EDA) & Data Storytelling | [GitHub Link]

- Conducted deep-dive analysis on [Topic], uncovering 5+ actionable insights through statistical hypothesis testing.
 - Designed interactive visualizations to communicate complex correlations to stakeholders with varying technical backgrounds.
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PROFESSIONAL EXPERIENCE

[Your Most Recent Role/Internship] | [Location] | [Date]

- **Technical Synthesis:** Utilized pedagogical training to translate complex data findings into structured, easy-to-understand reports.
 - **Data Ethics:** Researched and applied best practices in data privacy and ethical AI within project workflows.
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AWARDS & CERTIFICATIONS

- [Name of Certificate, e.g., Google Data Analytics]
- Dean's List / Academic Excellence Award – [Year]

Things to work on, an interactive dashboard using streamlit

MICHEAL PETERS

Address: 3, Lalubu Street, Okeilewo, Abeokuta, Ogun State

Phone: 08146399129 | **Email:** mmpeters626@gmail.com

LinkedIn: linkedin.com/in/petersmicheal/

ACADEMIC OBJECTIVE

Dedicated and detail-oriented student pursuing a Bachelor of Science in Technology Education. Aspiring to transition into advanced studies at the **University of Regina**, focusing on the intersection of Data Science and Educational Technology. Proven ability to build predictive models and analyze complex datasets to solve real-world problems.

EDUCATION

Bachelor of Science in Education (BSc.Ed) | Technology Education University of Yaba

(Affiliated with University of Nigeria, Nsukka) Expected Graduation: August 2026 * **Key**

Coursework: Engineering Mathematics, Statistics and Probability, Data Structures, Machine Learning, Instructional Technology, and Statistical Analysis.

- **Academic Standing:** Strong focus on applying quantitative methods to educational systems.
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TECHNICAL SKILLS

- **Programming:** Python (Expertise in Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn).
- **Data Analysis:** Exploratory Data Analysis (EDA), Statistical Hypothesis Testing, SQL Database Management.

- **Machine Learning:** Linear & Logistic Regression, Decision Trees, Random Forest, and Model Evaluation.
 - **Software:** Streamlit (Web App Development), Git/GitHub, Microsoft Excel (Advanced).
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RESEARCH & DATA PROJECTS

Student Performance Prediction Model *Lead Developer* * Developed a predictive system using socio-economic factors to identify at-risk students.

- Applied classification algorithms to historical academic data to improve intervention strategies.
- *Relevance to U of R:* Demonstrates a commitment to improving educational outcomes through data-driven decisions.

Automated Customer Churn Analysis *Independent Project* * Built a Machine Learning model using Python that achieved **85% accuracy** in predicting user retention.

- Cleaned and pre-processed large datasets to handle missing values and outliers.

Car Prices Prediction Application *Web Development Project* * Deployed a regression-based web application using **Streamlit** to estimate vehicle market values with an 81% accuracy rate.

PROFESSIONAL EXPERIENCE

Aspiring Data Scientist / Researcher (Current)

Self-Directed Learning & Project Development * Engaged in intensive research on Machine Learning applications within technical education.

- Collaborated with peers to explore SQL database optimization for school management systems.
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AWARDS & CERTIFICATIONS

- **Data Science & Machine Learning Certificate** (Python Focus)
- **Academic Commendation** for Excellence in Engineering Mathematics.

VOLUNTEER & LEADERSHIP

- **Technology Education Peer Tutor:** Assisting fellow students in mastering statistical concepts and Python basics.
- **Community Tech Outreach:** Participating in local initiatives to introduce coding to secondary school students in Ogun State.

MICHEAL PETERS

Aspiring Data Scientist | AI Research Candidate • Abeokuta, Nigeria | ☎ 08146399129

✉ mmpeters626@gmail.com | 🔗 [LinkedIn](#) | 🚧 [Portfolio App](#)

🎓 ACADEMIC BACKGROUND

Bachelor of Science in Education (BSc.Ed), Technology Education University of Yaba, Lagos (Expected Graduation: August 2026) * **Core Focus:** Integrating advanced computational methods with pedagogical frameworks.

- **Key Coursework:** Engineering Mathematics (\$I\$ & \$II\$), Statistical Methods, Data Structures & Algorithms, Machine Learning Theory.
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🔬 RESEARCH INTERESTS

- **Explainable AI (XAI):** Developing transparent "glass-box" models for sensitive sectors like Education and Healthcare.
 - **Predictive Analytics:** Utilizing Bayesian Networks and ensemble learning to forecast user behavior and system performance.
 - **Human-Centered AI:** Bridging the gap between complex algorithmic outputs and human interpretability.
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🛠 TECHNICAL SKILLS

Category	Tools & Technologies
Programming	Python (Expert), SQL, PySpark (Learning)
Machine Learning	Scikit-learn, Regression (Linear/Logistic), Decision Trees, Random Forest, XGBoost
Data Science Stack	Pandas, NumPy, Matplotlib, Seaborn
Deployment	Streamlit, Git/GitHub
Visualization	Power BI, Tableau, Interactive Dashboards

SELECTED PROJECTS

Explainable Customer Churn Prediction App * Developed a classification model achieving **85% accuracy** using Scikit-learn.

- Implemented feature importance visualizations to explain *why* specific customers were flagged, aligning with XAI principles.
- **Tech:** Python, Streamlit, Pandas.

Student Performance Predictive Modeling * Built a predictive engine to identify students "at risk" based on historical data.

- Applied Engineering Mathematics principles to optimize model weights for higher precision in imbalanced datasets.

Real-time Global Weather Intelligence System * Engineered a cloud-integrated application providing real-time meteorological data visualization.

- **Link:** [Launch Live App](#)
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CERTIFICATIONS

- **Machine Learning** – Stanford University (via Coursera)
- **Introduction to Data Science in Python** – University of Michigan
- **Data Analysis with Python** – freeCodeCamp

WHY DR. [PROFESSOR NAME]?

(Note: Customize this section for each of the 3 professors I gave you earlier)

- **Dr. Cory Butz:** Interested in applying your Bayesian Network research to my work in educational predictive analytics.
 - **Dr. Daryl Hepting:** Eager to explore the intersection of your HCI work with my experience in building interactive Streamlit dashboards.
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EXTRACURRICULAR & LEADERSHIP

- **Member, University Data Science Club:** Actively contributing to peer-learning sessions on algorithmic transparency.
 - **Volunteer Data Analyst:** Assisted local organizations in cleaning and interpreting community-reach datasets.
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Tips for the Email:

1. **Subject Line:** "Prospective MSc Student: Interest in [Research Area] - Micheal Peters"
2. **The Attachment:** Ensure the PDF version of this CV is named Micheal_Peters_CV_2026.pdf.
3. **The Hook:** Mention that you are currently building an interactive portfolio in Streamlit—professors love seeing that you can actually deploy what you build.