

Jean-Emmanuel Kouadio

Data Scientist

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EDUCATION

M.S. Data Analytics and Information Systems

Jan. 2022 - Dec. 2024

Shepherd University, Shepherdstown, WV

GPA: 3.83/4.0

Relevant Coursework: Machine Learning in Data Mining, Big Data Analytics, Statistical Analysis, Database Management Systems, Mathematical Modeling, Operations Research, Business Analytics

B.S. Computer Engineering

Aug. 2017 - Dec. 2021

Shepherd University, Shepherdstown, WV

GPA: 3.45/4.0

WORK EXPERIENCE

Data Scientist (Intern)

Jun. 2024 - Feb. 2025

Abt Global, Inc. | Rockville, MD

A consulting firm in the public sector, specializing in data-driven solutions for health, social, and environmental challenges.

- Developed a self-service analytics app using Python and Streamlit, enabling HR teams to detect pay disparities with 85% model accuracy and make data-informed decisions.
- Automated data pipelines for preprocessing, modeling, and visualization, reducing analysis time by 50%.
- Engineered SQL-based ETL workflows and resolved 50+ data quality issues, improving HR data reliability by 30%.
- Created interactive dashboards in Tableau and Oracle Analytics Cloud, accelerating HR reporting by 30% and enabling executive insights.

Flex Manager (Customer and Data Analytics)

Jun. 2022 - Jun. 2024

SU Wellness Center | Shepherdstown, WV

A university-affiliated fitness/wellness facility focused on promoting health and student engagement in higher education.

- Analyzed customer engagement and program usage using SQL and Tableau, uncovering trends that led to a 10% increase in member retention.
- Designed and evaluated satisfaction surveys in Excel, translating feedback into actionable insights that improved service quality by 15%.

Research Analyst

Dec. 2018 - Jul. 2021

Shepherd University | Shepherdstown, WV

A public university conducting academic and applied research across engineering and health sciences.

- Built predictive models on medical datasets, increasing treatment decision accuracy by 15% and supporting cross-functional research.
- Delivered data-driven insights through visual reports and presentations, enhancing research impact and stakeholder alignment.

PROJECTS

Page Performance A/B Testing | Python, SciPy, Statistical Analysis

Mar. 2025 - Apr. 2025

- Conducted A/B testing on landing pages using Python and statistical methods, uncovering a 28.6% lift in engagement and driving data-backed design decisions.

Fake News Classifier (LSTM) | Python, TensorFlow, Model Validation

Mar. 2025 - Apr. 2025

- Built an LSTM-based fake news classifier using TensorFlow and NLP techniques, achieving 99% accuracy on 40,000+ articles to support real-time misinformation detection.

TECHNICAL SKILLS

Languages & Programming: Python (advanced), SQL (advanced), Spark, Java, HTML/CSS/JavaScript

Data Science & Analytics: Predictive Modeling, Model Validation, Statistical Analysis (A/B Testing, Hypothesis Testing), Risk Analytics, Financial Analysis, Data Mining, Optimization

Big Data Technologies: Hadoop, Apache Spark, Cloud Computing (AWS EC2, Oracle Cloud)

Data Visualization & Communication: Tableau, Power BI, Business Presentations, Technical Documentation

Databases & ETL: SQL-based ETL Pipelines, Data Warehousing, Oracle FDI, Oracle HCM Cloud

Platforms & Tools: Jupyter Notebook, Google Colab, Git, Streamlit

Certifications: Google Data Analytics – Coursera, 2023, Machine Learning Specialization – Coursera, 2023