

Wisdom Emmanuel
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OBJECTIVE

Motivated and detail-oriented Applied AI and Data Science student seeking opportunities to apply skills in machine learning, computer vision, data analysis, and cloud technologies. Strong foundation in Python programming, deep learning model development, and data preprocessing. Eager to contribute to innovative projects and collaborate within dynamic teams to solve real-world challenges.

HIGHLIGHT OF QUALIFICATIONS

- Hands-on experience developing machine learning models for classification, prediction, and object detection tasks using TensorFlow, PyTorch, and Scikit-learn.
 - Proficient in data analysis, preprocessing, feature engineering, and model evaluation using Python libraries such as Pandas, NumPy, and Scikit-learn.
 - Skilled in deep learning architectures including CNNs, YOLO, Faster R-CNN, and ResNet for specialized computer vision projects.
 - Strong understanding of model evaluation techniques including Confusion Matrix, ROC AUC, Precision-Recall, and mAP metrics.
 - Practical experience in deploying machine learning models with Flask, FastAPI, and Docker.
 - Familiar with cloud computing concepts (AWS EC2, S3, IAM) and DevOps practices, with ongoing certification preparation.
 - Built and optimized websites for clients, improving SEO performance, site speed, and implementing Google Analytics for traffic monitoring.
 - Excellent teamwork, communication, and technical documentation skills, with the ability to deliver results in collaborative environments.
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TECHNICAL SKILLS

- **Programming & Development:** Python, TensorFlow, PyTorch, OpenCV, Scikit-learn, Flask, FastAPI, Docker, Git
 - **Machine Learning & Deep Learning:** Classification, Prediction, CNNs, YOLO, Faster R-CNN, ResNet
 - **Data Analysis & Processing:** Pandas, NumPy, Scikit-learn, Data Cleaning, Feature Engineering, Data Augmentation
 - **Model Evaluation:** Confusion Matrix, ROC AUC, Precision-Recall, mAP, Accuracy, F1-Score
 - **Web Development & SEO:** WordPress, Website Optimization, Technical SEO (On-page/Off-page), Google Analytics, Page Speed Optimization
 - **Cloud & Computing:** AWS (EC2, S3, IAM, Lambda, RDS, CloudFormation), Google Colab, VPS Server Management (SSH, Website Migration)
 - **Tools & Platforms:** Excel, Power BI, Tableau, SQL (basic reporting and queries)
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EDUCATION

Post-Graduate Certificate in Applied AI
George Brown College, Toronto, Canada

September 2024 – August 2025

Bachelor of Engineering in Mechanical Engineering
University of Port-Harcourt, Nigeria

January 2021 – July 2024

RELEVANT ACADEMIC PROJECTS

Real-Time Object Detection for Security Surveillance (Deep Learning & Computer Vision)

George Brown College | TensorFlow, OpenCV, YOLOv5, Flask

February 2025

- Developed a real-time object detection system to enhance security monitoring and automotive anti-theft detection.
- Collected and annotated automotive-related image datasets (e.g., car theft attempts, suspicious activity) using LabelImg.
- Trained YOLOv5 and Faster R-CNN models for detecting unauthorized vehicle access and motion anomalies.
- Implemented Flask API to integrate the model into a web-based surveillance system.
- Achieved 92% mAP (mean Average Precision) on test datasets and optimized inference speed for real-time applications.

Credit Card Fraud Detection (Machine Learning & Risk Analytics)

George Brown College | Python, Scikit-learn, Decision Trees, Logistic Regression |

October 2024

- Developed a fraud detection model using Decision Trees and Logistic Regression to classify fraudulent transactions.
- Used imbalanced dataset techniques (SMOTE, downsampling) to improve fraud detection accuracy.
- Evaluated model performance using ROC AUC, Confusion Matrix, and Precision-Recall metrics to enhance risk analytics.
- Automated feature engineering and GridSearchCV tuning to optimize fraud classification accuracy.

CERTIFICATIONS

Cloud Computing & DevOps Bootcamp ([Pragra](#))

In Progress

100 Days of Code, The Complete Python Pro Bootcamp: [Udemy](#)

December 2024

Databases and SQL for Data Science with Python: [IBM](#)

December 2024

PROFESSIONAL EXPERIENCE:

Freelance Web Developer & SEO Specialist

Self-Employed | Remote (Various Clients) — (2014 – Present)

- Developed and maintained websites for various clients, focusing on WordPress and performance optimization.
- Managed website migrations using SSH and VPS server administration for seamless host transfers.
- Implemented on-page and off-page SEO strategies, improving search engine rankings and traffic.
- Set up and analyzed Google Analytics data to guide SEO and marketing improvements.
- Optimized site speed and technical performance, leading to enhanced user experience and SEO scores.

Data Analyst

Denisco International Limited | Nigeria

January 2023 – June 2024

- Analyzed sales and inventory data using Excel, SQL, and Power BI to support business decision-making.
- Built automated dashboards and reports, reducing manual reporting time by 30%.
- Improved inventory planning and reduced stock shortages by 20% through data-driven insights.
- Identified best-selling products, optimizing stock levels and boosting sales by 15%.

ADDITIONAL INFORMATION

- Ontario Driver’s License
- Access to a personal vehicle for work-related travel