Emmanuel Ebi-Fredrick

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MACHINE LEARNING ENGINEER INTERN

Machine Learning | Artificial Intelligence | Python Programming

I am a Computer Science student at the University of Lagos with 2+ years of programming experience. My interest in Artificial Intelligence led me into machine learning and data science, a field in which I have gained substantial knowledge and am eager to apply in practice.

WORK EXPERIENCE

Freelance - *remote*   05/24-present
Python Developer & Data Scraper
Responsible for gathering and analyzing data from multiple web sources of clients' choosing.

- Efficiently restored a dysfunctional database ensuring smooth e-commerce service.
- Designed a robust automation tool to handle account creation and streamline data entry processes.
- Conducted data extraction on various companies, compiling detailed, data-rich profiles to support client decision-making.

Engineering Career Expo - *remote*   11/24-present
Python Tutor (Volunteer)
Trained and guided multiple trainees into becoming professional python programmers.

- Created and designed detailed visually engaging slide presentations to support weekly training sessions.
- Created and graded applied python assignments, enabling trainees to demonstrate their understanding of key concepts and principles.
- Provided personalized guidance to individual trainees fostering a tailored learning environment.

EDUCATION

University of Lagos - *Yaba, Lagos*   10/23-present
Bachelor of Science – Computer Science, Ongoing
Relevant Courses: Systems Analysis and Design, Python programming, Discrete and Data Structures

University of Lagos - *Yaba, Lagos*   10/21-8/22
Jupeb/Diploma – School of Foundation Studies
Grade: ABB (14/16 points)

PROFESSIONAL SKILLS

- **Programming & Back-End Web Development**: Python, RestAPI, Flask
- **Machine Learning:** Tensorflow, Scikit learn
- **Data Analysis and Visualization**:, Pandas, Numpy, Matplotlib, Seaborn
- **Databases**: PostgreSQL
- **Tools & Systems**: Git, CI/CD

CERTIFICATES

- [Machine Learning in Python](#)
- [Deep Learning with TensorFlow 2](#)
- [The Machine Learning Process A-Z](#)
- [100 Days of Code: The Complete Python Pro Bootcamp](#)

COMPLETED PROJECTS

Model to Classify Jean and Eyeglasses by Gender

Created from start to finish a machine learning model capable of classifying jean trousers and eyeglasses by gender. This is very useful for an online store that needs to upload and label hundreds of clothing regularly.

- **Improved Accessibility for the Visually Impaired**: Can be used to develop assistive technologies that help visually impaired individuals navigate fashion.
- **Revolutionizes E-Commerce**: Can help label clothing based on sex and suggest clothing to users on e-commerce platforms based on the users gender.

Machine Learning Program for Heart Disease Prediction

Created a machine learning model that predicts the likelihood of heart disease in patients using health-related data. This project integrates data processing, predictive modeling, and results interpretation to support healthcare insights.

- **Aids Early Diagnosis**: Identifies potential heart disease risks, helping doctors make early interventions that could save lives.
- **Supports Data-Driven Healthcare**: Uses advanced analytics to create insights based on patient data, promoting more personalized care.
- **Demonstrates AI in Medicine**: Showcases how machine learning can assist healthcare providers by predicting outcomes and guiding preventive strategies.

ARTICLES WRITTEN

- **Unlocking Insights: A concise guide to Data Science.**
  [Read here .](#)