Opeyemi Ajayi

Software Engineer/Machine Learning Engineer

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EXPERIENCE

CARNEGIE MELLON UNIVERSITY, AFRICA INTERNSHIP | SOFTWARE DEVELOPER

May 2022 – Aug 2022 | **Kigali,Rwanda**

- ➔ Utilized Relational databases as storage solutions for OpenPMU large research datasets.
- ➔ Utilized Python Interactive tools to visualize OpenPMU large research datasets .

CARNEGIE MELLON UNIVERSITY, AFRICA | DATA SCIENTIST

Aug 2021 – May 2022 | **Kigali,Rwanda**

- ➔ Analysis of large datasets from multiple sources using python tools and Excel package.
- ➔ Presented actionable insights using storytelling data analysis skills.

CORALPAY TECHNOLOGY, NIGERIA LIMITED | SOFTWARE ENGINEERING INTERN

July 2018 – March 2019 | **Nigeria**

- ➔ Devised, collaborated on , and deployed open-source software solutions using tools like Node.js, ASP.NET MVC, C/, ReactJS, and MySQL database.

SELECTED PROJECTS

TFE ENERGY: SPATIO-TEMPORAL DATA TO IMPROVE MINI-GRID FINANCING PREDICTIONS USING MACHINE LEARNING MODELS | PYTHON

2022

- ➔ Worked extensively with geospatial data to establish how development affects electricity access, usage, and consumption.
- ➔ Utilized machine learning to build clustering algorithms to obtain customer characteristics.
- ➔ Utilized machine learning to build yield prediction algorithm using geospatial data for mini-grid connections in rural Africa.

FUNDRAISING DATA ANALYSIS | PYTHON

2022

- ➔ I performed an extensive merge of a large dataset from multiple data sources to obtain a central dataset database .
- ➔ I performed a data analysis on the fundraising dataset with the potential of 40% increased donations and sponsors thereby increasing donations yield for African students enrollments.

AWARDS

2021	Dean of Faculty of Engineering Scholarship, Carnegie Mellon University
2019	Prof. D.K Olukoya, First-Class Award of Academic Excellence
2019	Dr. (Mrs) Folorunsho Alakija, Chancellor Best Graduating Student Award of Excellence
2016	Departmental Best student Scholarship,Award of Academic Excellence

SKILLS

PROGRAMMING

Proficient:
Python• C • C# •SQL

Experienced:
Python • LATEX • C++ / C#

Familiar:
Java • Shell

LIBRARIES/FRAMEWORKS

Tensorflow • NLTK • Pytorch • Huggingface • Statsmodels • scikit-learn• Dash-plotly• pyspark• kafka

TOOLS/PLATFORMS

Git • Gitlab • AWS • Heroku Github • ArcGIS • QGIS • Tableau

EDUCATION

CARNEGIE MELLON UNIVERSITY, AFRICA

MASTER'S OF SCIENCE IN ENGINEERING ARTIFICIAL INTELLIGENCE

Aug 2021 - Dec 2022| Kigali, Rwanda

School of Information Technology, College of Engineering

Cum. GPA: 3.14 / 4.0

OSUN STATE UNIVERSITY, OSOGBO, OSUN STATE

BACHELOR'S OF ENGINEERING AND ENGINEERING

Sept. 2017 | Osun State, Nigeria

School of Computing

Cum. GPA: 4.70 / 5.0

COURSEWORK

GRADUATE

Artificial Intelligence for Engineers•
Programming for Problem-Solving and Data Analytics •
Introduction to Deep Learning