

Kayode Olaniyi

Senior Data Scientist/ Machine Learning Engineer.

Permit: Permanent Resident, SA.

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Objective

Seeking a challenging career opportunity where Machine learning, Deep AI, data science, modelling and intelligent business analysis, through strategic planning can be effectively applied to achieve desired business solutions.

Professional Summary

An experienced Data scientist and Machine Learning specialist with extensive practical knowledge of complex system designs, testing and deployment. I have decades of versatile experience in Machine Learning and data science providing intelligent business solutions using Python software libraries and Artificial Intelligence algorithms for diagnosis, predictions, object detection and classification.

Education

M.Sc. in Information Technology National Open University of Nigeria	2019
M.Sc. in Microprocessor & Control Engineering University of Ibadan, Ibadan, Nigeria (SAQA NQF 9)	2004
B. Sc. in Physics & Electronics (<i>Honours</i>) Federal University of Abeokuta, Nigeria.	1998

Certificates

Member, Institute of Information Technology Professionals, SA.	2018
Professional Member, International Association of Engineers, <i>MIAENG</i>	2014
Council for Regulation of Engineering, Nigeria; Certificate in Innovative Teaching & learning tools	2010
Professional Member, Chartered Institute for IT, UK.	2010
Professional Member, Computer Professional Registration Council of Nigeria	2010
Cisco Certified Network Associate <i>CCNA</i>	2006
Microsoft Certified Professional <i>MCP</i>	2005

Employment History

Senior Data Scientist at *Envisionit Deep AI, Johannesburg, South Africa.*

November 2019 – present.

- Application of AI to Medical Diagnosis.
- Object detection, Computer Vision and Medical Image Processing using Tensorflow, scikit-learn, Darknetpy, YOLOv3, FasterRCNN, OpenCV, Pytorch Keras,
- Application of state-of-the-art Deeper Network and VoxelNet, for diagnosis in 3D brain scan images.
- Data analysis and modelling using python, Pandas Matplotlib and Matlab tools.
- Designing and developing machine learning and deep learning Artificial Neural Network models.
- Researching and developing statistical learning algorithms for specific models and data analysis.
- Image data preprocessing, feature extraction and classification using python and Matlab libraries.
- Feature extraction and classification using clustering K-NN algorithm.

Machine Learning Research fellow at *University of Johannesburg, South Africa.*

January 2018 – October 2019.

- Developing a machine learning system using Python and Matlab libraries, a robust codec model that minimizes the complexity as well as the redundancy associated with current data encoding schemes.
- Designing a model that utilizes optimized features for efficient biometric signal recognition.
- Using python data analysis and machine learning for feature vector correlation, co-variance and extraction.

Data Scientist at *DELL EMC, Lagos, Nigeria*

August 2016 - January 2018

- Applied Talend and Python scikit-learn, kears. Tensorflow, pytorch, for Big Data Mining & analysis,
- Machine learning algorithms applied to document processing and analysis for digitization.
- Used Machine learning algorithms and libraries for predictive modeling, data analysis and reporting
- Applied machine learning algorithms that delivered efficient business insights to customers and prospects, based on big data analysis using Faster-RCNN, and K-NN, clustering algorithms.
- Used MsSQL for Database design and Management.

Data Automation Engineer at *SELFA Automation, Lagos, Nigeria*

July 2010 – August 2016

- Designed models using python scripts and Talend for Data Extraction Transformation and Loading.
- Worked with development teams to ensure reusable business models were implemented.
- Analyzed and modeled data logs for efficient and predictive maintenance using python and VB.Net.
- Designed an automatic vehicle and Plate Number detection and applied novel character segmentation.
- Cursive handwriting text preprocessing and recognition using adaptive filtering, SVM, K-NN algorithms.
- Graded and analyzed over 2.5million student results using MsExcel and VBA macros.
- Automated university student registration and result CGPA computation, analysis and reporting.

System Engineer at *Cisco Systems Inc. Lagos, Nigeria*

October 2002 – June 2010

- Provided business analytic solutions that ensure client needs are adequately addressed.
- Communicated effectively with partners and customers regarding technical issues and solutions.
- Designed developed and programed data-path flows to support Cisco infrastructure products
- Created a knowledge base maintenance database, based on the fault and diagnosis history.
- Liaised with client IT personnel for problem resolution using cisco infrastructures.
- Researched, designed and developed Business models and system architecture.

Maintenance Engineer at *Hopper Engineering LA.*

July 1999 – May 2001

- Worked with Siemens and Allen Bradley SCADA systems and Programmable Logic Controllers.
- On-field and remote data logs acquisition, processing and analysis.
- Designed a knowledge-based diagnostic application software for easy maintenance.
- Provided input to maintenance analysis and improvement modification needed for plant and equipment
- Maintained a clean, routine organized, and safety of maintenance space and facility.

Technical Instructor at *Maritime Academy of Nigeria, Oron, Nigeria.*

August 1998 – June 1999

- Provided technical electronic workshop training to maritime cadets and professional personnel.
- Analyzed and modelled data for simulation training and assessment.
- Analyzed and modelled data for document storage and retrieval digitization.
- Designed Laboratory experiment schedule automation and data management application.

Skills

Machine Learning, Deep learning, Data Analysis & Dbase Design , Python, Matlab, Talend, C++, Excel VBA macros, CSS, HTML, Team Building, Strong computer proficiency, Project management, Research & development.

Hobbies, personal interests

- Reading history books, Playing chess with friends at the club, Mountain hiking Rotaract International member; I volunteer for community service.