Damos **AYOBO**

Telecom Engineer / Junior Data Scientist

Passionate about the field of data, AI and software development, I aspire to further my career in these fields by leveraging my skills in both telecommunications and other sectors.

CONTACTS

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EDUCATION

Telecom & AI Engineering
ESPRIT, Tunis
2020 - 2023

Preparatory Classes in Computer Science
École supérieure privée d'ingénierie et de technologie (ESPRIT), Tunis
2018 - 2020

High School Diploma in Science
Lycée Chaminade, Congo-Brazzaville
2014 - 2017

SKILLS

- Mobile Networks (2G, 3G, 4G et 5G)
- IMS, SDN & NFV Architecture
- Network Security
- Network Automation (python)
- Network Optimisation
- IPv4 & IPv6 Networks
- OSPF, RIP and BGP Routing
- LAN / WAN / WLAN Networks
- Virtualization
- Microwave Networks
- Data Analysis
- Python / Scripting
- Machine Learning / Deep Learning
- Web & Software Development

CERTIFICATIONS

- Cisco Certified Network Associate Industrial (CCNA I)
- Huawei HCIA 5G V2.0
- Applications of AI for Anomaly Detection - NVIDIA
- Network Security 1.0 - Cisco NetAcad

PUBLICATION

- A Novel Framework for Distribution Power Lines Detection - **IEEE Xplore**

LANGUAGES

French : Native

English : B2 Level

EXPERIENCE

JAN - JUL 2023 — PYTHON DEVELOPER INTERN | Orange Tunisie

Graduation project
Development of a web application aimed at automating health checks on mobile radio networks and microwave links:

- Requirements and Specifications Analysis
- Mobile Network KPIs and Alarms Analysis
- Microwave Link Failure and Degradation Detection
- Network Congestion Detection
- RSL Forecasting
- CI/CD Pipeline

Skills : Process Automation, Project Management, Data Analysis, Software Development, Communication, Collaboration.

JUN - SEP 2022 — DATA SCIENTIST INTERN | Hydro-Québec

Distribution Power Lines Detection
Develop a new technique for detecting distribution power lines from 3D LiDAR data :

- Review state of the art work
- Collect LiDAR datasets
- Develop a new technique for detecting power lines
- Test and make improvements to the proposed technique
- Compare the performances obtained with those of existing methods
- Write a final report

Skills : 3D LiDAR data preprocessing, Hough Transform, Image processing, analytical and synthetic thinking, autonomy, problem solving, oral presentation, adaptability.

JUN - AUG 2021 — TRAINEE TECHNICIAN | Tunisie Télécom

Delivery of New ADSL and Fixed-line Customers
Observe the daily work of technicians and assist them in the delivery of new ADSL and Fixed-line customers as well as in the fixing of subscriber line problem.

Skills : establishment of the telephone/ADSL line, maintenance of subscriber lines, team work.

ACADEMIC PROJECTS

SEP - NOV 2022 — SUPPLIER MANAGEMENT SYSTEM | ESPRIT

Implement a Jenkins pipeline for continuous integration and delivery
-Git / Maven / JUnit5 / SonarLint / SonarQube / Docker / Nexus / Grafana / Prometheus

Skills : DevOps practices

FEB - MAY 2022 — 5G CORE NETWORK FAILURE PREDICTION | ESPRIT

Design and implement an ML-based system for 5G core network failure prediction, including an integrated dashboard for network performance monitoring.

- Extract network data from json files
- Structuring the dataset
- Data Preparation
- Modeling using ML/DL algorithms
- Performance Evaluation
- Deployment using Dash Plotly

Skills : CRISP-DM methodology, predictive maintenance, data visualization, teamwork, oral presentation, analytical thinking