

CÉDRIC P-E. MANOUAN

Data Evangelist / Software & AI developer

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📍 Dakar, Medina - Senegal

📄 cédric-pascal-emmanuel-manouan-ba9ba1181

🔄 drc2018

🌐 drc2018.github.io



EXPERIENCE/PROJECTS

Developer Intern - PSNDEA

Web/IoT/Machine Learning

📅 April 2019 – June 2019

📍 Abidjan, Côte d'Ivoire

- Built an Internet of Things (IoT) system for data acquisition in a cassava field
- Developed a REST CRUD API based on NodeJs and MySQL to store data from both sensors and farmers inputs
- Developed a regression model to predict the yield of a given cassava field based on real-time and stored data
- Deployed the machine learning model to an edge device (Raspberry Pi 3) using tensorflowJS

Data science practitioner - Zindi

📅 June 2020 – Present

📍 remote

- Participating in competitions and hackathons on the platform (username : **I_am_Zeus_AI**), Top 100 among zindi data scientists
- Co-lead of the platform development group (updates/improvements and new features)

ACHIEVEMENTS

- **7th/255 (Team wakanda on the leaderboard):**
Classified audio utterances in Luganda and English from Uganda
- **7th/104 (Team DataLabCI on the leaderboard):**
Built an AI system to classify Tuberculosis and Normal X-Ray images for educational purpose
- **3rd prize (Team TheCIA on the leaderboard):**
Predicted whether a person in an image is wearing a face mask
- **1st prize ESATIC Hackathon Level 2 (48h - May 2018) :**
Contributed to the development of a deep learning model to recognize west African bank notes and coins
- **1st prize ESATIC Hackathon Level 1 (24h - May 2017) :**
Contributed to research and writing in C++ the encryption algorithm behind an executable program

TECHNICAL SKILLS

- Git, Docker, Amazon EC2/ECS, VS Code, Jupyter notebooks, Google Collaboratory
- Ubuntu, Windows, Mac OS

HOBBIES/INTERESTS

- Knowledge sharing, motivation, mentoring, community building (Data Science Côte d'Ivoire)
- Artificial Intelligence research, reading scientific papers, teaching, deep learning
- Basketball, football

MY LIFE PHILOSOPHY

"The world is being built on code. It is not bricks and mortars anymore."

(Joshua MWANIKI)

MOST PROUD OF



Being a Zindi University ambassador from Côte d'Ivoire

Working on building and growing the Ivorian Data science community

STRENGTHS

Hard-working Eye for detail
Motivator & Leader Passionate
Able to work independently
Good team spirit Initiative taker
Problems solver

Python Embedded Systems R
C/C++ JavaScript HTML/CSS
Pytorch/Pytorch Lightning Open-CV
Tensorflow/Keras NodeJs Latex
Statistical Analysis Pandas Numpy
Seaborn/Matplotlib Transformers
Xgboost Catboost LightGBM

LANGUAGES

- English (115/160 Duolingo English Test)
- French (Native)

EDUCATION

BSc. in Systems, Computer networks and Telecommunication

Ecole Supérieure Africaine des TIC (ESATIC)

📅 Oct 2016 – Sept 2019

Memoir title: Setting up of an intelligent system for precision agriculture