

# CÉDRIC P-E. MANOUAN

Ecole Supérieure Africaine des TIC (ESATIC)

✉ manouancedric@gmail.com

☎ (+221) 78-596-8983

📍 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

- **7<sup>th</sup>/255 (Team wakanda on the leaderboard):**  
Classified audio utterances in Luganda and English from Uganda
- **7<sup>th</sup>/104 (Team DataLabCI on the leaderboard):**  
Built an AI system to classify Tuberculosis and Normal X-Ray images for educational purpose
- **3<sup>rd</sup> prize (Team TheCIA on the leaderboard):**  
Predicted whether a person in an image is wearing a face mask
- **1<sup>st</sup> 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
- **1<sup>st</sup> 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

Able to work independently

Passionate

Good team spirit

Ability to take initiative to solve problems

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

ESATIC

📅 Oct 2016 – Sept 2019

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