

# KPATCHA ESSOHANAM JOSUE

## Data Engineer

As a data engineering student with strong expertise in machine learning, I turn complex datasets into actionable insights. I design scalable data models, implement cutting-edge algorithms, and build systems that empower businesses to make data-driven decisions. My blend of technical proficiency and analytical skills ensures efficient data pipelines and impactful results, driving innovation and strategic success.

### FORMATION

#### Data Engineering Engineer degree

2023/2026

ENSA Al Hoceima , Al Hoceima

#### Integrated Preparatory Classes

2021/2023

ENSA Fès , Fès

#### Faculty of Sciences: Mathematics

2019/2021

Université de Lomé , Togo

#### Baccalauréat Scientifique C4

2016/2019

Lycée Scientifique de Lomé , Lomé (TOGO)

### PROFESSIONAL EXPERIENCE && CERTIFICATIONS

#### 3D Deep Learning/Machine Learning Internship

17/07/2024-15/09/2024  
(2 mo)

3D SMART FACTORY, Mohamedia(Morocco)

- Developed advanced 3D segmentation models (3DUnet, 3DUnetKAN) using deep learning for MRI brain tissue segmentation.
- Enhanced U-Net architecture with Kolmogorov-Arnold Networks (KAN), incorporating convolutional layers, batch normalization, and dropout for improved segmentation accuracy.

#### Data Scientist Intern at Codsoft

05/02/2024 (1 mo)

CODSOFT, West Bengal

- In-depth Data Analysis
- Optimization of Data Extraction and Cleaning Processes
- Development of High-Performing Predictive Models

### CERTIFICATIONS

- Implement Query Your Relational Databases with SQL (OPENCLASSROOMS)
- Python libraries for Data Science (OPENCLASSROOMS)
- Introduction and Intermediate to machine learning kaggle
- Studied various NoSQL architectures and distributed systems like Hadoop, with a focus on MongoDB (OPENCLASSROOMS)
- ETL and Data Pipelines with Shell, Airflow and Kafka (IBM)
- Python Project for Data Engineering (IBM)



### PROFILE

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GitHub  
<https://github.com/kpatcha>

LinkedIn:



### SKILLS

DB Oracle, Mysql, Postgresql,  
Sqlite, Mongodb, Star  
Datawarehouse

SQL PL/SQL Python R Java

Machine Learning

NPL with python

Data Visualizatiion Data  
Minig Data collection (API  
Web Scraping)

Git & Github Docker

### LANGUAGE

French (Native Language)  
English (Fluent)

### INTERESTS



Debate



Football



Puzzle



Chess