



 **smbaye@ept.sn**

 **Birth date : 23/08/1997**

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 **Dakar, SENEGAL**

 **Senegalese**

 **Driving Licence B**

## Languages

French

English

Wolof

Serere

## Interests

Physics

Reading Books

Writing

BasketBall / HandBall

## Social Network

Linkedin [@mbaye\\_mc2](#)

Twitter [@mbaye\\_mc2](#)

Github [@BlackRock2308](#)

# Mbaye SENE

## Computer Science Student at THIES POLYTECHNIC

Building softwares and tools that make life easier for human being is what motivate me the most. I am a daily learner who like going deep inside every concept for a better understanding in order to take maximum benefits of it.

## Education

### From 2017 - Present

Design Engineering Student

Ecole Polytechnique de THIES

A school created to promote excellence

### From October 2014 to July 2017

Baccalauréat Scientifique S2

Lycee Taiba ISC de MBORO

## Work Experience

### August 2022 - Present

ModelSiS | Fenêtre Mermoz x Corniche Ouest, close to Ecole  
Actuelle Bilingue

I started the second step of my internship in August 2022. That time, the challenges were to build cloud native applications using microservices approach with Spring Boot and Spring Cloud. But during the first 2 months, I started as a mobile application developer using ionic framework.

### June 2021 - October 2021 (4 months)

ModelSiS | Fenêtre Mermoz x Corniche Ouest, close to Ecole  
Actuelle Bilingue

In June 2021 , I started my first internship in a IT company. Have been there for 4 months before returning to school. During those 4 months, I was building software using Spring boot and Node JS for backend and angular for frontend with a hight usage of Docker for postgres Database version.

# Certifications

AWS S3 Basics

[Coursera credentials](#)

Building microservices

[OpenClassroom](#)

Optimized your microservices  
architecture

[OpenClassroom](#)

SAP Certified Associate - Design  
Thinking

[OpenClassroom](#)

## Soft Skills

- Team Work
- Decision making
- Multi tasking
- Curiosity
- Agility
- Communication

# Achievements

## Masterchief APP

June 2022 Personnal EPT

Masterchief is a mobile application build with Flutter and Tensorflow lite for recipes recommendations based on the different ingredients provide by the user as input. We used transfert Learning approach with a model trained with ImageNet dataset. We also used fastAPI for rest endpoints and MongoAtlas as database.

Github Link :[https://github.com/BlackRock2308/masterchief\\_app.git](https://github.com/BlackRock2308/masterchief_app.git)

## Sama Garage

April 2022 Personnal EPT

Sama Garage is a parking reservation application that use computer vision algorithm. We have a mobile app that allows users to order a parking plase based on a processed video that shows in real time how the parking is occupied and a web application build with angular with a Java backend that allows us to administrate the parking by validating the reservations.

Github Link :[https://github.com/BlackRock2308/parking\\_reservation\\_admin.git](https://github.com/BlackRock2308/parking_reservation_admin.git)

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## GED APP

September 2022 Personnal Demarch

DED app is a document management application build using angular frontend. I realized that for a senegalese startup named Demarch as a freelancer.

The following link is the official website of thwe startup  
<http://demarch.sn/sitedemarch/>

# Awards

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Dec 2021 - Jan 2022	member of the winning team (Blockers) of the Tezos Hackathon (Tezos Afrikathon) organized by Tezos Senegal : rank 1st. Clic the following link for more information ( <a href="https://www.linkedin.com/in/mbaye-sene-27bb90202/">https://www.linkedin.com/in/mbaye-sene-27bb90202/</a> )
Oct 2021 - Nov 2021	Participation during the African Youth Anti-Corruption Hackathon coding4integrity (4th place in the ranking) organised by ONUDC. ( <a href="https://www.linkedin.com/in/mbaye-sene-27bb90202/">https://www.linkedin.com/in/mbaye-sene-27bb90202/</a> )
June 2019 - July 2019	2nd place in the ranking during the National polytech Hackatons organised by Ecole Polytechnique de THIES. We build a mobile application for helping diabetes people in Senegal.

## Skills

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### Web / Mobile Developmment



Spring Boot ( Java )  
Mobile (Flutter / Ionic)  
HTML/SCSS pure  
Javascript (VanillaJs - Angular - NodeJs - React)  
Python (Django - Flask)

### Data Structures and Algorithmics



Python/Java/C/  
Javascript/Matlab/SQL

### Network / IoT



Switching/Routing (CISCO-HUAWEI)

### Data Science



Data Analysis  
Machine Learning  
Deep Learning

### Cloud / Devops / CICD



aws  
git  
Jenkins  
Sonar / Nexus