



**Kaïra Neily SANON**  
PhD Student in Computer Science /  
Biometrics researcher

✉ neily.sanon@unicaen.fr  
☎ +33 755453314  
🌐 linkedin.com/in/kaïra-neily-sanon-78395a1a7

## Work experience

---

### **Biometrics/IA research engineer** Fime Caen, Normandie

Since October 2023

- AI Application for Bias Assessment in Biometric Systems (age, ethnicity, gender, etc.)
- Testing Biometric Devices in Authentication and Verification
- Testing of Presentation Attack Detection and Evaluation According to International Standards and Institutions (ISO, FIDO)

### **Data Scientist and AI apprentice** SANOFI PASTEUR Val De Reuil, Normandie

From September 2022 to August 2023

- Initiation and execution of a predictive maintenance project to study the influence of equipment sensors on vaccine production
- Construction of a datamart for KPIs Dashboard
- Natural language processing for clustering of anomalies reported in production.

### **Data analyst intern** Groupe Casino, entité O COMMERCE Clichy, France

From September 2021 to February 2022

- Monitoring of sales forecasts and analysis of the performance of these forecasts
- Optimization of bin availability in warehouses using web scraping
- Data extraction and reporting

## Education

---

### **PhD in Computer Science** Université Caen Normandie Caen

Since December 2023

- **Topic:** "Estimation of biases for biometric system certification"

### **Applied mathematics and modeling engineer** Polytech Lyon France

From September 2020 to September 2023

- **Keywords:** Statistics, Modeling, High performance computing, Artificial Intelligence

### **Preparatory classes for engineering studies** Université Paris Didérot France

From September 2018 to June 2020

- **Field :** Mathematics, Physics, Chemistry

## Skills

---

**Deep Learning** Convolutional Neural Network (CNN), Recurrent (RNN), GAN (Generative Adversarial Networks)

**Machine Learning** **Models used:** Regression, Decision Tree, Random forest, Gradient boosting, SVM, Duration models, Bayesian model, Time series)

## Computer science tools

---

**Programming languages** Python, R, SQL, C, C++

**Cloud** SNOWFLAKE, AWS

**Logiciels** Matlab, PowerBI, Comsol

**File versionning / Scripting** Git / Bash (sous Linux) / Bat

## Languages

---

**French** Mother tong

**English** B2 Level

## Voluntary experience

---

### **Volunteer** Les Restos du coeur Lyon, France

Since September 2022

### **Internship in leadership** SCYFCO Annecy

June 2023

## Certification

---

**ISO 19025** Delivered by AFNOR COMPETENCES

## Interests

---

**Tennis, Pastry, Piano**