

Profil

Driven AI engineer with 2+ years' experience building **NLP** models and working on **3D** data processing . Has a strong background in software development and telecommunications. Fluent in French and English; I also contribute to Open Source initiatives within the AI community.

Work Experience & Projects

- 2022-10

**Aiway, Aix-en-Provence**
- Present

R&D Artificial Intelligence Engineer

- **Audit** of models developed in the dental field in order to identify, correct and improve shortcomings in the process of **data preparation, training** and **evaluation** of these models.
  - Development of a **python library** for adapting planned digital building models (**BIM IFC**) to reflect the **as-built** state of the structure.
  - **Technologies** : Python, Open3D, PyTorch3D, IfcOpenShell, BIMcollab ZOOM, MeshLab, Scikit-Learn & GitLab
- 2021-06

**Enedis AI Lab, Marseille**
- 2022-09

Artificial Intelligence Engineer Apprentice

- **Text** and **time series** data processing.
  - Technology watch, development of various models (**text classification, NER, text generation** and **auto-completion**), then **deployment** of these models in production.
  - **Technologies** : Python, PyTorch, NumPy, Pandas, Scikit-Learn, RegEx, CamemBERT, BARThez, PostgreSQL, Flask, Docker, CodeCarbon & GitLab
- 2020-05

**Infineon Technologies Padova, Italy**
- 2020-09

Data Analyst Intern

- Design and development of a **dashboard** for real-time **visualization** and **validation** of the company's **software, firmware** and **hardware** development processes, in compliance with **ISO 26262 "Road vehicles - Functional safety"** and **Automotive SPICE** standards.
  - **Technologies** : Python, MySQL, Logstash, Elasticsearch, Kibana, Balsamiq Wireframe, Jenkins.
- 2021-03

**School projects**
- 2021-06

Hadoop & Rasa Open Source

- Development of a **Voice Chatbot** and interfacing with **Pepper** and **NAO** robots using the **Rasa Open Source** framework and **Coregraphe Suite**.
  - Distributed implementation of the **K-means** clustering algorithm using **Hadoop's MapReduce** parallel programming paradigm.

Education

- 2020-10

**Center for Education and Research in Computer Science (CERI)**
- 2022-06

M.Sc in Artificial Intelligence, Avignon University
- 2019-09

**University of Padova, Italy**
- 2020-09

ERASMUS + M.Sc in ICT for Internet and Multimedia
- 2017-09

**Higher School of Communication of Tunis, University of Carthage**
- 2020-09

Engineer in Telecommunications
- 2016-09

**National School of Electronics and Telecoms, University of Sfax**
- 2017-06

1st year M.Sc in Information and Communications Technology
- 2013-09

**Faculty of Sciences of Gabes, University of Gabes**
- 2016-06

B.Sc in Computer Science

Paper & Certifications

- 2023-08

HAPe: Optimizing Customer Relation by Automatic Task Distribution using Constrained Optimization and Natural Language Processing (**CIRED 2023 - Enedis**)
- 2020-11

Mathematics For Machine Learning Specialization (**Coursera**)
- 2019-11

Neural Network and Deep Learning (**Coursera**)
- 2019-05

98-369:MTA: Cloud Fundamentals (**Microsoft**)

Personal Info

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<https://www.linkedin.com/in/sayouti-souleymane-abdoulaye/>

Industries

- Telecommunications.
- Electricity.
- Building information modeling (BIM).
- Dental.
- Semiconductor.

Skills

Machine Learning & Deep Learning

Natural Language Processing

3D data processing

MLOps, Docker & GitLab

Python & Scikit-Learn

PyTorch & TensorFlow

Transformers & RegEx

Hadoop & Talend

Data Visualization, Tableau & ELK Stack

PostgreSQL & AWS

C, C++ & Java

Linux/Unix & Matlab

JavaScript, NodeJs, Flask & PHP

Languages

French

English (B2)