



Rayen CHENBEH

Recent Graduate in Computer Science
and Data Science

Paris, FRANCE

Phone : +33 7 65 26 29 27

Mail : rayan.chenbeh@telecom-sudparis.eu

LinkedIn : <https://www.linkedin.com/in/rayen-chenbeh-7724421ba/>

Education

- TELECOM SudParis| France Sept 2022- Present

General engineering student. Pursuing a Specialty: **Statistical Modeling and Applications & Machine Learning and Deep Learning** with TELECOM Paris & ENSTA Paris.

Courses: Hidden Markov Models, Data Mining, Numerical Simulation and Extreme Values, Stochastic Processes, Applied Statistics, Systems Programming, Machine Learning, Deep Learning, Reinforcement Learning.

- National School Of Computer Science| Tunisia Sept 2020- Present

Computer Science Engineering. Pursuing a Specialty: **Software Engineering**. I received a **merit-based scholarship** to pursue a **double degree** program in France.

Courses: Applied Probability, Formal Logic, Principles and Methods of Statistics, OOP, Parallel computing, Economics and Business Management, Graph Algorithms and Optimization, Git.

- Preparatory School for Engineer Studies|Tunisia Sept 2018- July 2020

Completed a two-year intensive university-level preparation in **Mathematics** and **Physics** to prepare for the national entrance exams for engineering schools.

Rank: **198/1450**

Professional experience

- End-of-Studies Internship | KPMG | FRANCE

April 2024- Present

- Automated the extraction and structuring of financial report indicators.
- Reviewed and implemented state-of-the-art methods in **Computer Vision** and **Generative AI**.
- Analyzed key financial indicators extracted from complex reports.
- Developed a dashboard to visualize key benchmark indicators.
- Applied Generative AI techniques to **analyze** extracted indicators.
- Key skills:** Python, Power BI, Language Models (GPT-4, Llam3), RAG, Computer Vision, Transformers, OCR, Git.

- Part-time Machine Learning/Data Science internship, Roxel | France Oct 2023- March 2024

- Develop a model to predict the target sale price and establish a **range for each quotation** line.
- Implement **price ranges** to address model uncertainty and **enhance pricing flexibility** for sales representatives.
- Key skills:** Pandas, Classic ML Libraries (xgboost, scikit-learn), Deep Learning, Transformers, Git.

- Research Intern | IBISC Laboratory | France

FEB 2023 - June 2023

- Developed a **new interpretable approach** combining **Machine Learning** and **multi-agent argumentation**.
- Presented research** at the ESSI (Évry-Sénart Sciences et Innovation) 2023 conference.
- Key skills:** Python, C++, Machine Learning, Random forest, Symbolic AI, Git.

- Part-time AI internship | WE-SETTLE | Tunisia

Jan 2022- May 2022

- Optimized the existing AI solution at "WE-SETTLE" for **the extraction and validation of invoice data**.
- Utilized **image processing** techniques to extract and model data into **graphs**, enabling **effective classification**.
- Key skills:** Python, Opencv, Tesseract, Flask, Graphe, REST API, MongoDB, ReactJs, Git.

Personal projects

- Administrative Management Of Primary School| Summer Project-ENSI:

- A program that allows registering students, masters and mistresses of several courses.
- Preparation of schedules and management of administrative documents.
- Key skills:** React, Nodejs, Mongodb, Git.

- Smart Cam| Association Robotique ENSI, Internal project 2021)

- An indoor Camera that :

- Recognizes people**.
- Checks if they are **wearing face masks**.
- Checks if the **door is open or closed**.

Associative life

- Former member of Association Robotique ENSI
- Former member at Computer Security Club
- Former member at Ensi Microsoft Club

Skills

- Machine Learning:** Implementing supervised, unsupervised learning algorithms in Python.
- Programming:** Python (NumPy, Pandas, seaborn, Scikit-Learn, PyTorch, Tensorflow, cv2), Java, C++.
- OS:** Linux, windows.
- Database:** Oracle, MySQL, SQL, MongoDB.
- Pack Office:** Excel, PowerPoint, Microsoft Teams.
- Other:** UML, HTML, CSS, git, Scrum, Reactjs, NODEjs, flask.

Certificates

- Neural Networks and Deep Learning (Coursera)
- Python for Data Science and Machine Learning Bootcamp (Udemy)

Languages

French: Bilingual, **English:** Advanced (TOEIC : 910),

Arabic: Native, **Spanish:** Basic