



# Rana Boukabous

## Computer science student

Born in **October 22 nd, 2000**, I am a final year student at the Higher National School of Computer Science - **ESI** (Algiers) | Computer Systems option (**SIQ**).

I am a **Data Science** and **Data Analysis** enthusiast. But I'm also trying to improve my **networking** and **system security** skills.

Passionate about delivering outstanding **quality** at **work**. Moreover, innovative **technologies** have always sparked my interest. Thus I am constantly working on **self-development** and coming up with useful ideas while considering all kinds of **environmental** and **societal** issues and conditions.

## Contact

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### LinkedIn

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## Education

2018

### Baccalaureate

Specialization: Mathematics  
With a very good mention

Since 2018

### Engineering Student

Higher National school of Computer Science-ESI, Algiers.

## Expertise

- Leadership/ projects management
- Communication and Teamwork
- Writing skills with Latex
- Backend Developement with NodeJs
- Deep Learning and Tensorflow with Python
- UML, BPMN, SQL, Excel
- Virtualization | HPC with OpenMP, MPI and CUDA GPU

## Language

English

French

Arabic

## Experience

In 2023

### Master's degree in computer systems option

From **28/07/2019** to **08/08/2019**

SONATRACH Headquarters | Hydra

### Internship- Entreprise discovery for work experience

A placement for work experience and business discovery through the summer internship at Sonatrach.

In 2020

Preparatory Cycle project

### Second year Multidisciplinary project at ESI

For three months I was the leader of my team for the multidisciplinary project proposed by our school during the second semester of the year 2019/2020. We had to work on a facial recognition desktop application in Java, using the PCA method (Principal Components Analysis). It was my first experience with Machine Learning

From **01/09/2021** to **01/10/2021**

SONATRACH Headquarters | Hydra

### Summer internship in 2021 at [Sonatrach]

A month internship where we had to help in the conception of a solution to organize and control the SAP Notes (exceptions) after this system's integration in Sonatrach.

In 2021

Second year Superior Cycle

### Advanced networking semestrial project

The implementation of a VPN/ MPLS platform to connect a company's branches according to the client's demands.

From **01/09/2022** until now

CDTA- Centre de Recherche et de Technologie avancée | Baba Hassen  
**PFE Internship - Lung Sound Classification for respiratory pathologies diagnosis**

The use of Deep Learning to implement an intelligent system to diagnose pulmonary diseases patients (COPD, URT, LRTI and COVID19)

## Certifications

### CISCO badges

**CCNA1:** Introduction to Networks

**CCNA2:** Switching, Routing, and Wireless Essentials

**CCNA3:** Enterprise Networking, Security, and Automation

### Coursera Certifications

- **Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning:**  
<https://coursera.org/verify/DKEU7ZZNBEJJ>
- **Google Data Analytics Foundations: Data, Data, Everywhere:**  
<https://coursera.org/verify/YEGCQAVUTQK9>
- **Neural Networks and Deep Learning:**  
<https://coursera.org/verify/G3REES92EKJK>