

# BOUSSELAT Ahmed Moncef

Data Science and Artificial Intelligence student  
National Polytechnic School

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## EDUCATION

2020 - Pres | Student in Data Science & AI - ENP

Main units:

- Advanced Databases Management
- Probabilities and Statistics
- Multi-varied Data Analysis
- Machine Learning & Deep Learning
- Natural Language Processing
- Image Processing
- Business Intelligence

2020 | Higher Schools access Contest

Ranking : **Top 10%** on **national scale**.

2018 - 2020 | Preparatory School - ESSAA

2018 | Mathematics Baccalaureate

Mention: **Very good**.

## EXTRACURRICULAR ACTIVITIES

2020 - 2022 | Industrial Engineers Club (IEC)

Dec 2021 - Pres | **Developers Team Leader**

- In charge of the club's **website** development and all other technical necessities.
- Development of a **software simulating a competitive market** where teams representing companies compete in production and sells of different products for the second edition of the **IEC Business Game** event.

Dec 2020 - Pres | **IT Unit** member

Event organizer:

- IEC Business Game (1st edition).
- IEC Case Competition (2nd edition).
- IEC Algeria Data Cup.
- IEC Business Game (2nd edition).

## COMPETITIONS

Dec 2021 - May 2022 | **Atos IT Challenge**

Development of an app that uses deep learning techniques to predict the CO2 level at a given geographical location through satellite data.

Dec 2021 | **Algerian Engineering Competition**

**2nd place:** Simulation of semi empirical forest wildfires through satellite imagery ([ResearchGate](#) | [GitHub](#)).

Nov 2021 | **DevFest 21 Algeria Google Hackathon**

**Victory - 3rd place:** Monitoring focus and productivity through face traits recognition with deep learning techniques ([GitHub repo](#)).

## PROFESSIONAL EXPERIENCE

Nov 2022 - Pres | Intern | **Ericsson** - Algiers

Work on a project combining IOT and Computer Vision in order to develop an automatic tracking system for container trucks.

May 2022 - Jul 2022 | Intern | **BH Advisory** - Algiers

Monitoring mission on the construction materials market (concrete, metals, bricks... etc.) in Algeria, study of price trends and quantities of goods that were imported and exported over the last decade.

Dec 2021 - Pres | Freelancer | **Innoprofits** - Quebec

Studies of startup projects and highlighting the complexity of the technical aspects in which they try to innovate through technical reports.

Nov 2021 - May 2022 | Intern | **AiTech** - Algiers

Research on the processing, cleaning, classification and detection of outliers from data taken from the company's ERP.

Feb 2021 - Mar 2021 | Intern | **CasbahTech** - Algiers

Initiation to work in a company, introduction to web development and data science concepts, and teamwork with AGILE methodology.

## PERSONAL PROJETSCS

- Applying **reinforcement learning** techniques combined with **neuro-evolution** algorithms (neuro-evolution of augmenting topologies - **NEAT**) to popular games such as Flappy Bird, Snake... etc ([GitHub repo](#)).
- Development of **utility modules** (physics, camera,... etc.) for the **Unity** game engine ([Repo GitHub](#)).
- Development of mini-simulations based on intelligent agents (automatic car parking in a dynamic environment, automatic plane take-off... etc.).

## SKILLS

### TECHNICAL

- Programming
- Databases
- Data Analysis
- Machine Learning
- Deep Learning
- Web Development

### LANGUAGES

- English (IELTS Band 8)
- French (DALF C1)
- Arabic (Native)

### PROGRAMMING LANG.

- Python
- C | C++
- C# (Unity)
- SQL
- PHP / Laravel
- JS / ReactJS / VueJS

### SOFTWARE

- Unity
- Linux (Ubuntu)
- Excel / Word / PowerPoint