



AHMED RAFIK EL-MEHDI BAAHMED

SYSTEMS ENGINEERING STUDENT

BIOGRAPHY

- Deep learning enthusiast
- IoT Developer & Solution Architect
- Astronomy lover
- Python Developer
- Team work experienced
- Creative & Motivated person
- Fast learner, always ready to learn more.

INTERESTS

- Astronomy & Astronautics
- Deep Learning (NN)
- Internet of Things
- Embedded Systems
- Data Analysis
- Cloud computing
- Information Security
- Travel
- Learning and Reading
- Sport, Music, Drawing, Gaming.

PROJECTS

- **ESI Weather** (Mar 2020 - Sept 2020)
- **HEALTHLINE** (Mar 2021 - Present)
- **Lectio** (Dec 2021 - Present)
- **ArtificialEye** (Apr 2022 - Present)

EDUCATION

- **5th year systems engineering student at the Higher School of Computer Science 08 May 1945 - Sidi Bel Abbes (ESI SBA).**
- **Baccalaureate in Maths 2018**

CONTACT

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[eagleeye1107.github.io](https://github.com/eagleeye1107)

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EXPERIENCE

- Project Manager of "**ArtificialEye**" project which is a Computer Vision and Deep Learning-Based support system for Visually Impaired People in an outdoor environment (**Apr - Jul 2022**).
- Project Manager of "**Lectio**" an eBook project (**Jan - Mar 2022**).
- Practical internship at **GSH** "Groupe des Sociétés HASNAOUI" (**Sept 2021**).
- Web Developer and Quality Insurance Manager of "**HEALTHLINE**" project.
- Developer & Organizer in AlphaBit Coding Challenge 3rd Edition **2021**.
- Participation in **COC'2021** (**Mar 2021**) and **COC'2022** (**May 2022**).
- Cybersecurity Instructor & Trainer in The Alphabit Cybersecurity Cell.
- Vice-President of Alphabit Club (**Jan 2021 - Oct 2021**).
- Project Manager of "Esi Weather" a multidisciplinary project (**Mar - Sept 2020**).
- Member and Organizer in Alphabit Club (**Sept 2018 - Oct 2021**).

CORE COMPETENCIES

IT SKILLS

- Supervised Learning (KNN, SVM, Naive Bayes Classification).
- Unsupervised Learning (K-means, GAN's).
- Reinforcement learning (Markov Process Decision).
- Neural Networks Development (Perceptron, Feed Forward Neural Network, Multilayer Perceptron, CNN, RNN).
- Mathematics & Probabilities, Bayesian reasoning, Uncertainty principle.
- Genetic algorithms, Fuzzy logic, Fuzzy intelligent systems.
- Computer vision & Natural language processing.
- Data analysis methods (PCA, CA, Linear Regression, Hierarchical clustering).
- IoT Development and Solution Architecture (Edge-Fog-Cloud).
- MQTT Protocol, Async Calls (Kafka, Mosquitto Brokers), Sync Calls (Sockets).
- Problem Solving & Automating tasks, DevOps : Docker, Git, GitHub.
- Programming : Python, C/C++, JavaScript, Pascal, ExpressJS, SQL.

SOFT SKILLS

- Leadership & Project management.
- Critical thinking & Problem solving.
- Communication & Public speaking.
- Flexible & Dynamic.
- Time management
- Languages :
 - **Arabic** (Native Proficiency).
 - **French** (Professional Working Proficiency).
 - **English** (Professional Working Proficiency).

CERTIFICATES

- Certificate of participation in the international conference **COC'2022**.
- Certificate of participation in the national conference **CICT'2022**.
- Certificate of participation in the international conference **COC'2021** (paper link : **HAL**).
- Introduction to Bash Shell Scripting with **Coursera Project Network**.
- Elements of Artificial Intelligence.
- Managing Machine Learning Projects with Google Cloud.
- Penetration Testing, Incident Response and Forensics.
- Cybersecurity IT Fundamentals Specialization with **IBM**.