



# AHMED RAFIK EL-MEHDI BAAHMED

SYSTEMS ENGINEERING STUDENT

## BIOGRAPHY

- Computational Intelligence & Deep learning keen, ML Developer
- IoT Developer & Solution Architect
- Python developer
- Backend developer
- Team work experienced
- Creative, motivated & ambitious person
- Fast learner, always ready to learn more.

## INTERESTS

- Deep Neural Networks
- Neuro-Fuzzy Inference Systems (NFIS)
- Genetic Programming
- Machine Learning & Data Mining
- Internet of Things (IoT)
- Data Science
- Embedded systems
- Information security
- Astronomy & astronautics lover
- Traveling, learning and reading, sport, music, drawing, gaming.

## PROJECTS

- **ESI Weather (Mar 2020 - Sept 2020)**
- **HEALTHLINE (Mar - Jul 2021)**
- **Lectio (Dec - Jan 2021)**
- **Màtia-ArtificialEye (Apr 2022 - Present)**
- **Alzheimer.AI (Nov 2022 - Present)**

## EDUCATION

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

## CONTACT

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

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## EXPERIENCE

- Project Developer & Manager of "**Alzheimer.AI**" a Computer Vision and Deep Learning-Based "Early Detection of Alzheimer's Disease System" using multiple approaches **(Nov 2022 - Present)**.
- Project Manager of "**Màtia-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**" an **AI** weather station **(Mar - Sept 2020)**.

## CORE COMPETENCIES

### IT KNOWLEDGE & SKILLS

- Computational Intelligence paradigms (Deep Neural Networks, Fuzzy Logic, ANFIS, Genetic programming)
- Supervised Learning (KNN, SVM, Naive Bayes, ID3, Linear Regression).
- Unsupervised Learning (K-means, CAH, apriori).
- Neural Networks Development (Perceptron, MLP, CNN, FFNN).
- Computer vision, image processing & Natural language processing.
- IoT Development and Solution Architecture (Edge-Fog-Cloud).
- WSN, LoRa, Sigfox, MQTT Protocol, Kafka Broker, IoT Cloud Platforms.
- Arduino & Raspberry Pi.
- 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 & Punctual
- Languages :
  - **Arabic** ██████████
  - **French** ██████████
  - **English** ██████████

## 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**.