

23 ans



Casablanca,maroc



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ESSAJAI IKRAM

GIS Analyst | Software Developer | Passionate about Smart Technologies



EDUCATION

Master 2 in Geographic Information Systems (GIS), Specialization: Software Development

September 2023 – July 2025

Faculty of Sciences Ain Chock – Casablanca

Professional Bachelor's Degree in Computer Science and Applied Mathematics

September 2021 – June 2023

Polydisciplinary Faculty – Sidi Bennour

University Diploma of Technology (DUT) in Computer Engineering

October 2019 – July 2021

Sidi Bennour Higher School of Technology

Bachelor's Degree in Physical Sciences (Honors)

September 2018 – July 2019

Sidi Bennour Higher School of Technology



SKILLS

Programming Languages : Java/JEE, Python, C, C++, VB.net, PHP, JavaScript, TypeScript, jQuery.

Web Development Frameworks : Bootstrap, WordPress, Django.

Databases : MS SQL Server, MySQL, PostgreSQL.

Software Engineering : UML, BPMN 2.0.

Big Data Solutions : Hadoop, HDFS, MapReduce, Spark.

Operating Systems : UNIX, Windows.

Software : NetBeans, Eclipse, IntelliJ, Visual Studio.

Geographic Information Systems (GIS) : Google Earth Engine, QGIS, ArcGIS, ArcGIS Pro,

Soft Skills : Diligent, precise, rigorous, with excellent teamwork skills.

Geospatial Analysis: Raster/vector analysis, plugin development, spatial decision support systems



Certifications

• CNN-based Image Classification

Udemy (2024)

• GIS Software & Applications

Udemy (2024)

• Next.js & React

SimpleArabCode (Nov 2024)

• Machine Learning in Python

365 Data Science (2024)

• Git and GitHub

365 Data Science (2024)

• Python Developer

SoloLearn (Jun 2024)



PROFESSIONAL EXPERIENCE

AI and NLP Developer | 3D Smart Factory

Mohammedia, Morocco(Remote)

February 2025 – Present

- Developed a chatbot for document summarization and interaction as part of a 4-member team. Used NLP techniques (spaCy, NLTK) to analyze similarities and generate summaries from PDFs, Word, and text files
- Tools : [Python](#), [NLP Libraries \(spaCy, NLTK\)](#), [Flask/Django](#), [React](#), [PostgreSQL](#).

Full Stack Web Developer | HM SMILE CONSULTING

Paris (Remote)

April 2023 – June 2023

- Developed a web application for project management that allows for task creation, tracking, and assignment to team members. The application includes an interactive dashboard, user management, and a notification system.
- Technical Environment : [PHP](#), [Laravel](#), [MySQL](#), [HTML](#), [CSS](#), [JavaScript](#).

Full Stack Web Developer | CABFIS Casablanca

Casablanca (Onsite)

April 2021 – June 2021

- Developed a real-time inventory management web application with features for adding, updating, and tracking stock levels. Includes alerts for critical stock levels and detailed report generation.
- Technical Environment : [PHP](#), [CSS](#), [JavaScript](#), [MySQL](#).



ACADEMIC PROJECTS

Development of an Interactive Tourist Circuit Web Application

Description: Created an application using Django and Leaflet.js to display interactive tourist circuits with maps, photos, and itineraries.

Tools: [Python](#), [Django](#), [Leaflet.js](#), [HTML/CSS](#), [QGIS](#).

Development of a QGIS Plugin for Automating Spatial Analysis

Description: Designed and developed a QGIS plugin in Python to automate geospatial data processing and analysis for decision-making support.

Tools: [Python](#), [QGIS](#), [PyQt5](#), [PostgreSQL](#).

Early Detection of Palm Tree Diseases Using Deep Learning and UAV Imagery – Oasis de Figuig, Morocco

Description: Developed a deep learning model based on YOLOv8 for early detection of palm tree diseases using aerial images captured by drones.

Tools: [YOLOv8](#), [Python](#), [OpenCV](#), [TensorFlow](#).

LANGUAGE

- French [Lu, parlé, écrit.](#)
- English [Lu, parlé, écrit.](#)
- Arabe [Langue maternelle.](#)