

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

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.**