

# Ilyas IRGUI

## State Engineer in AI & Computer Technologies

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### 🎓 EDUCATION

2017 – 2022  
Casablanca, Morocco    **State Diploma of Engineer in Artificial Intelligence and Computer Technologies, Graduated with High Honors**, University of Hassan II Casablanca - ENSAM 📄

### 📁 PROFESSIONAL EXPERIENCE

- 10/2022 – present    **Integration engineer and Software Developer**, Carta Worldwide 📄  
*Configuration and administration of continuous integration tools, resolution of issues related to integration, implementation of automated testing and performance monitoring measures.*  
Technos: **CI/CD, Git, Gitlab, PowerShell, SQLSever, Unix, Windows Server, C, C#, PLSQL**
- 03/2022 – 08/2022    **Data science, End of study internship**, Phoenix Contact | CCOA | Nextronic 📄  
*Quality control of PCBs (Printed Circuit Boards) via the implementation of an AI solution that automatically detects PCB defects using Deep learning techniques and computer vision.*  
Technos: **Computer vision, Deep Learning, Image processing, Object detection, YOLO, RCNN**
- 08/2021 – 09/2021    **Software Engineering, Professional internship**, Ines Electro Sound Industries 📄  
*Study and implementation of an API responsible for dual authentication (Two factor authentication).*  
Technos: **Flask, Pyotp, PyQRcode, SQLAlchemy, Google authenticator, PostgreSQL, Docker, Postman**
- 08/2020 – 09/2020    **Web development, Professional internship**, CAPOFFSHORE, Service Production IT 📄  
*The graphical design of the new company website as well as the creation of artworks and icons.*  
Technos: **HTML, CSS, JS, Bootstrap, Adobe Illustrator**

### 📁 PROJECTS

- AOAI - Dell Envision the Future**, GitHub Link (Check my GitHub for more Projects) 📄  
AOAI (**Artificial Orientation using Artificial Intelligence**) is a project that we developed as part of our participation in the "Envision the Future" competition organized by **Dell EMC**.
- Smart E-commerce Microservices App**, GitHub Link 📄  
This project consists of multiple **microservices** that communicate with each other to form a complete E-commerce application: **Front-end, Back-end**, and a **Service for Smart Search**. Each one is in a container using **Docker Compose**.
- Sales and Returns Analysis using Business Intelligence**, GitHub Link 📄  
This project uses **Power BI** and **SQL Server** to analyze sales and returns data of a company to provide an interface simple enough for end users to create their own reports and dashboards.

### 🧠 SKILLS

#### Data Science & BI :

- Exploratory data analysis : Pandas, Matplotlib, Seaborn
- ML/DL : Numpy, Pandas, Scikit-Learn, TensorFlow, OpenCV
- Big Data : Hadoop, Spark
- Business Intelligence : SSIS, SSAS, Power BI

#### Software Engineering :

- Programming: Python, Java, C, Bash
- Web development: Django, Flask, Spring, PHP, JS, Bootstrap
- Database: DBA, Oracle19c, MySQL, SQL, Server, MongoDB
- DevOps: Cloud (Azure), Docker, Gitlab
- Git, Unix, ITIL, SCRUM, Ms Office pack, Latex, Adobe pack

### 🔗 SOFT SKILLS

Creativity / Enthusiasm / Leadership | Curiosity / Adaptability / Teamwork | Organization / Professionalism

### 🌐 LANGUAGES

Arabic (Native) | French (Highly proficient) | English (Working proficient B2) | Spanish (Beginner)

### 📄 LICENCES ET CERTIFICATIONS

CCNA Cybersecurity Operations | IBM-Python Data Analysis | IBM-Python Data Visualization