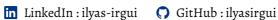
# Ilyas IRGUI

# AI Engineer & Software Developer







## PROFESSIONAL EXPERIENCE

Portfolio: ilyasirgui.netlify.app

10/2022 – present	Integration Engineer & Software Developer, Carta Worldwide ☑
	<ul> <li>Designed and deployed automated testing systems and performance indicators</li> <li>Managed CI/CD pipelines and development environments</li> <li>Troubleshot and resolved integration-related issues</li> <li>Stack: Oracle OCI, GitLab, PowerShell, SQL Server, Airflow, C, C#, PLSQL, Unix, Windows Server.</li> </ul>
03/2022 - 08/2022	Data Scientist – Final-Year Engineering Project, Phoenix Contact   CCOA   Nextronic
	<ul> <li>Developed an AI computer vision system for PCB quality control</li> <li>Automated defect detection using Deep Learning models (YOLO, RCNN)</li> <li>Stack: YOLO, RCNN, OpenCV, TensorFlow, Image processing.</li> </ul>
08/2021 - 09/2021	Web Developer – Application Project, Ines Electro Sound Industries
	• Designed a two-factor authentication API with QR Code & OTP <b>Stack:</b> Flask, PyOTP, PostgreSQL, Docker, Postman.
08/2020 - 09/2020	<b>Web Design – Introductory Project,</b> CAPOFFSHORE, IT Production Department ☑
	<ul> <li>Redesigned the company's landing page and created custom visual elements</li> <li>Stack: HTML, CSS, JS, Bootstrap, Adobe Illustrator.</li> </ul>
<b>ℰ</b> EDUCATION	

State Engineer Degree in Artificial Intelligence & Computer Engineering,

Baccalaureate in Mathematical Sciences (A), Lycée Mostafa Lamaâni, Casablanca - With Honors

# *→* PROJECTS

2017 - 2022

2017

#### AOAI - Finalist, Dell EMC "Envision the Future", GitHub

Developed an AI-powered academic orientation system-AOAI (Academic Orientation using Artificial Intelligence)

ENSAM Casablanca - Hassan II University - With High Honors

# Microservices E-commerce Platform, GitHub ☑

Modular architecture with Front-end, Back-end, and smart search engine Deployed using Docker Compose

#### BI Analysis - Sales & Returns, GitHub

Built interactive dashboards with Power BI & SQL Server for business analytics

### SKILLS

#### **Software Development**

Python, Java, C, Bash, Django, Flask, Spring, PHP, JavaScript, Bootstrap

#### Databases & DevOps

Oracle 19c, SQL Server, PostgreSQL, MongoDB, MySQL, Docker, Git, Azure, OCI, GCP

#### Artificial Intelligence & Data Science:

- Generative AI & Advanced Models: LLMs, RAG, Transformers, LangChain, Model fine-tuning
- Data Analysis & Modeling: Pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, Keras, OpenCV
- Big Data & Orchestration : Hadoop, Spark, Airflow
- Business Intelligence : Power BI, SSIS, SSAS

#### ☆ SOFT SKILLS

 $Creativity \cdot Curiosity \cdot Enthusiasm \cdot Team\ spirit \cdot Leadership \cdot Adaptability \cdot Organization \cdot Rigor \cdot Professionalism$ 

# **(4)** LANGUAGES

Arabic — Native, French — Fluent, English — Fluent, Spanish — Basic proficiency

### **©** INTERESTS & ENGAGEMENTS

Team sports · Graphic design · Music ●

Co-founder & Media Lead of the KAAS club (ENSAM) · Member of the Developer Student Club (DSC)