ELADJ Salim Zakaria

FullStack Developer, Software & AI Engineer, DevOps
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LINKS

Github: https://github.com/zaqks
Portfolio: https://zaqks.github.io

MAIN SKILLS   (2016-2024)   **(+6 years of exp)**

Mentoring & Workshops	Technical mentor at OpenMindsClub, Hackathons & Online CTFs participant
Programming & Scripting languages	Python, C, C++, Java, Bash, JavaScript, ASM, Dart, SQL, GoLang, HTML, CSS, JSON, XML, Git, Arduino
Frameworks	Django, Flutter, SpringBoot, Flask, ReactJS, TensorFlow, Keras, Tkinter, SDL, MongoDB, MariaDB, MySQL, PostgreSQL, Apache, Ngnix
Software	Filmora9, Inkskape, Solidwork2016, Audacity, MicrosoftOffice Suite, GoogleSuite
OS	Linux (Arch, Kali, Ubuntu), Windows10
APIs & Services	pythonanywhere, heroku, Google Collab, Github, Google Play, Google Developer Console, Discord YAGPDB

NOTABLE PROJECTS

August 2024	**Movie Rating**
	An RNN is going to be added to the MLZ library. It will be used to rate movies according to the audience comments, whenever the comments are positive, negative or neutral.
July 2024	**Digit Recognition**
	MNIST problem solved with an ANN then a CNN, It reached a 99.7% precision. After the training, the NN was linked to an API in order to implement a human input with extra preprocessing such as cropping and scaling up the digit.

June 2024	**Machine Learning Library (MLZ)**
	A machine learning library built from scratch using Numpy. It offers an environment to develop custom layers & activation methods. It supports classical NNs, CNNs, and it's under development for a wider set of tools.
July 2022	**MAJESTY**
	An ecom API that features 3D preview for its products. The 3D models are generated using a set of images from multiple angles, then processed using photogrammetry algorithms. It also includes a shop & orders management system along with statistics.
May 2024	**Chat API**
	An encrypted chatting system with integrated VPN and fully customizable UI and features. It includes an API integration too.
April 2024	**El MeyloudRE**
	A platform that reunites real estate agents and clients. It encapsulates various features such as Geolocation, property validation, encrypted contracts and appointments management.
January 2023	**SDL Raycaster**
	A basic raycaster first interpretation using the SDL library based on the techniques used to make the famous DOOM game. It is able to render maps defined by a 2D array.

STARTUP EXPERIENCE

2024	**Bassmati - Startup**
	An app developed for a startup. Its purpose is connecting Psychologists, Speech Therapists & Patients. It includes medical records storage and encryption, appointments management, Staff authentication, Payments verification.
2023	**ElRafik - Startup**
	A startup app that won a label in 2024. It allows Psychology students & professionals to register for an internship or a training course. The approved ones would be able to be contacted by future patients through the app.

CERTIFICATIONS

September, 2024   **IBMSkills Build**

IBM SkillsBuild Artificial Intelligence, Machine Learning & Deep learning, Watson IBM, Datascience

EDUCATION

2022   Computer Science - University of science and technology Houari Boumedienne

LANGUAGES

English: Native French: Native Arabic: Native