ABDELDJALIL CHERRAGUI

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in abdeldjalil-cherragui

My name is ABDELDJALIL CHERRAGUI, and I currently work as a cloud engineer.
With a Master's degree in Intelligent Computer Systems, I have developed a deep interest in Artificial Intelligence (AI) and its applications.

Professional Experience

Jan 2024 - today: Cloud Engineer at Djezzy

- Automation of cloud SaaS solution deployments (infra provisionning and deployment).
- Administration of the cloud platform Huawei cloud anf Alibabacloud.
- Participation in the validation of HLD (High-Level Design) and LLD (Low-Level Design).
- Launch Djezzycloud.dz
- Working on integration of AI services within Djezzycloud

Jan2023 - Dec 2023 :   Devops engineer at InfraXcode

- CI/CD pipeline using Gitlab CI for cloud and configuration deployment
- Experience with the Camunda orchestration tool.
- Automation of infrastructure deployemnt on AWS, GCP, and Azure platforms (Terraform).
- Configuration of saas using Ansible roles.
- Automation of tasks using API in Python.
- Automation of tasks on VMware NSX using API in Python.
- Automation of backups with VEEAM using API in Python.
- Automation of tasks related to NetBox using API in Python.
- Participation in code reviews.
- Writing user manuals and delivery documentation.

University Education

2017–2020   Bachelor in academic computer science(USTHB)
Bachelor Graduation thesis
Web application for automating the preparation/management of the anonymization task in doctoral third-cycle admission exams**.**

2020–2022   Master in intelligent computer systems(USTHB)
Master Graduation thesis
Optimization of Golomb rules using the cooperation of metaheuristics (PSO, TabuSearch, FA, HillClimbing) and machine learning (python, tenserflow, pytorch). (USTHB)

Addtional Projects

- Realization of different algorithms (classical and evolutionary) in the treatment of the SAT problem.
- Machine Learning (Neural Network) to find a relationship between diet and COVID-19 cases.
- Solve the problem of combinatorial auctions using metaheuristics
- Implementation of an expert system that depending on parameters returns the type of tree
- Photometric 3D reconstruction in python (Open csv python).
- Application for processing images containing Arabic text by modifying them with python filters (Open csv python).
- Augmented Reality (AR) in Gaming: I was part of a team that developed a software with AR for creating games in Fantasia Land. The software enabled users to scan pictures that would then generate interactive content, blending gaming and real-world environments

Hackathons

Participation in the hackathon AI Hack Tunisia 2022
One of the top 30 teams

Participation in the hackathon junction Algiers 2023
One of the top 5 teams

Spoken Languages	Arabic, French and English

Skills

- Machine learning
- Deep learning
- Data Science
- Metaheristics
- heuristics
- Python
- Matplotlib
- Numpy
- Pandas
- Tenserflow
- Pytorch
- LLMS Agents
- MySQL
- PostgreSQL
- Mongo DB
- git
- Camunda
- Gitlab ci
- ansible
- terraform
- gitlab ci/cd
- AWS, AZURE, GCP
- Huawei cloud
- Alibabacloud