ANAS AIT AOMAR

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EDUCATION

Master of Science | *Industrial management engineering*   Sep 2019 – Current
Mohammed VI Polytechnic University   Benguerir, Morocco
Preparatory classes for 'GRANDES ECOLES' | *Physics , Mathematics and Robotics*   Sep 2017 – June 2019
Mohammed VI Polytechnic University   Benguerir, Morocco

WORK EXPERIENCE

Data Scientist Intern   June 2021 – Sep 2021
Agri Edge.   Benguerir, Morocco
- Created and deployed a **graph database** to facilitate accessing
  internal data and resources sharing within Agri Edge team.

Mechatronics project manager   Sep 2020 – Jan 2021
Mohammed VI Polytechnic University.   Benguerir, Morocco
- Led a group of 11 engineering students.
- Designed a fully **assisted electrical trailer** to transport loads up to 250 kg.
- Designed and implemented the motors loop Control system.

Undergraduate teaching Assistant   Sep 2020 – June 2021
Mohammed VI Polytechnic University.   Benguerir, Morocco
- Created intuitive technical notes dealing with machine learning.
- Gave tutoring sessions on machine learning.

Web consultant — Remote   June 2019 – April 2021
GEERD solutions Corp.   Casablanca, Morocco
- Designed and developed web components for E-learning solutions.
- Automated and scaled the **firm reporting pipeline.**

PROJECTS AND RESEARCH

Labor market project ,MCA-Morroco | *Python,JavaScript*   June 2019 – Current
Modeling Simulation and Data Analysis lab (MSDA)
- Built NLP tools to mine large-scale unstructured job postings scraped from recruitment websites.
- Developed a web app for shareholders to **visualize skill graphs** and access to **labor market metrics**.
- Worked with a research team, where I architected and created a **pilot labor knowledge graph.**

SkillNer - Open source NLP toolkit to mine labor-related documents | *Python ,Git*   October 2021
Mohammed VI Polytechnic University
- Published a Named Entity Recognition (NER) algorithm to **extract skills from unstructured text.**

Indoor localization using WiFi signals | *Python*   Summer 2019
North African Machine Learning Summer School
- Gathered WIFI blueprints data for model training.
- Trained ,tested and tuned a ensemble learning model(**93 % accuracy**) for a coordinates prediction task.

Technical writing on Networks (graphs) and their applications | *Python,JavaScript*   2020 – Current
Mohammed VI Polytechnic University
- Published articles about (Graph theory , Geometric deep learning ...) in **Toward data science blog**.
- Produced **visualization and data stories** on real-life problems by exploiting graph theory and data analytics.

CONFERENCE TALKS

UDACITY and BERTELSMANN webinars   Feb 2021
Delivered a talk about using **Bayesian optimization** for Hyperparameters tuning.

SKILLS

Languages: Arabic (Native), Frensh (C2), English (C1), Spanish (A2)
Programming: Python, JavaScript, NodeJs, Cypher
Data Science/ Engineering : Neo4j, Selenium, Spacy, Pythorch, Sickitlearn, DGL