



About Me

Ambitious, creative and serious, I am a recently graduated computer science engineer from ENSI. Specialized in AI and Software Engineering, I am looking for a first job to apply my academic and professional skills and take on new challenges.



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Tunisia

Ghassene TANABENE

COMPUTER SCIENCE ENGINEER

SKILLS

• Programming languages :

Python, Java, C, C++, JavaScript, Php

• Artificial Intelligence :

Machine Learning, Deep Learning, Computer Vision, NLP, Data Mining, Data Scraping, Amazon SageMaker, Pytorch, Tensorflow, Keras, Scikit-learn, OpenCV, Math. and Statistics

• Database, Big Data and BI :

Oracle, MySQL, PL/SQL, MongoDB, Hadoop, JasperSoft, Talend

• Web and mobile Development :

Django, Flask, Bootstrap, Java EE, Hibernate, Android studio, Unity, .Net

• Project Management :

Git, Azure DevOps, Agile Methods, Research

• Soft Skills :

Leadership, Decision-making, Curiosity, Open Mindedness



CERTIFICATIONS

- HCIA - Artificial Intelligence - HUAWEI | 2020
- Neural Networks and DL - Deeplearning.ai | 2020
- CNNs - Deeplearning.ai | 2020
- Introduction to TensorFlow for AI, ML, and DL - Deeplearning.ai | 2020



VOLUNTEER EXPERIENCE

ENSI Robotics Association

- Counseling Committee : 2020-2021
- **President** : 2019-2020
(150 Members)
- **Project Manager** : 2020 (6 Members)
- Organizer of « RoboCup ENSI » national event
(1500 visitors in 2019)

ENSI Junior Enterprise

- Business Dev. Member : 2018-2020

IEEE ENSI Student Branch

- Member : 2018-2020



LANGUAGES

- **French** : Advanced | **English** : Professional
- **Italian** : Beginner



WORK EXPERIENCE

• Graduation Internship (DL R&D) Feb. - August 2021

Hydrogen Research Institute (University of Québec)

- Segmentation of a 3D mapping of an indoor environment by the materials visual aspect in order to improve the artificial vision of an anti-COVID-19 disinfectant robot.
- **Keywords** : Image Segmentation, Deep Learning, Cloud Computing, ROS/Gazebo, DeeplabV3+, PSPNet, UNet, SegNet, ResNet, Xception, Pytorch, OpenCV

• DL and Computer vision Intern July - Sept. 2020

Chambi Eagle Technology

- Design and development of an automatic vehicle recognition system in Tunisia.
- **Keywords** : Deep Learning, Object Detection, Image Segmentation & Classification, YOLO, RCNN, Faster-RCNN, Python, Tensorflow, C# (.NET), Scrum, Azure DevOps

• Machine Learning Intern January - June 2020

EDUTEST

- Design and development of a web application for recommendation of scholarships and universities in the USA and Europe.
- **Keywords** : Machine Learning, Text Mining, NLP, K-means, DBSCAN, Spectral Clustering, KNN, Scikit-learn, Web Scraping, Django, Bootstrap, Scrum

• Natural Language Processing Intern June - Aug. 2019

Colima PLUS

- Development of an intelligent chatbot facilitating the interaction with the customers of an online sales company.
- **Keywords** : Python, NLP, NLTK, Spacy, Flask, Bootstrap



EDUCATION

• **National Engineering Diploma in Computer Science**

National School of Computer Science (ENSI - Tunisia) | 2018 - 2021

• **Pre-Engineering Degree - Math. and Physics | Ranked 205 / 1432**

Preparatory Institute for Engineering Studies of Nabeul (IPEIN) | 2016-2018



ACADEMIC PROJECTS

• **Analysis of feedbacks on COVID-19 vaccines | 2021**

Keywords : Sentiment Analysis, Data Mining, NLP, ML, Tweets Scraping

• **TIC-TAC-TOE Multiplayer Game | 2021**

Mots Clés : Unity, Multiplayer Game, Photon

• **Road Accident Prediction | 2020**

Keywords : PySpark, MongoDB, Machine Learning, Big Data

• **Simple game using reinforcement learning | 2020**

Keywords : Q-Learning, Python, Pygame

• **Multidimensional analysis of coronavirus cases in Tunisia | 2020**

Keywords : Talend, Pentaho Workbench, Jasper Report, OLAP, MDX