

Ghassene Tanabene

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Ambitious, creative and quick learner, I am a freshly graduated computer science engineer from ENSI (Tunisia), specialized in Artificial Intelligence and Software Engineering. With a strong background in mathematics and several successful internships, I am looking for a first job to apply my academic and professional knowledge and take on new challenges.

PROFESSIONAL EXPERIENCE

Data Scientist, R&D - Hydrogen Research Institute (University of Quebec)

Trois-Rivières, CA

End-of-studies internship using deep learning in the robotic field

Feb. 2021 – Sep. 2021

- Semantic segmentation of a 3D indoor environment based on the materials visual aspect for an anti-COVID-19 disinfecting robot. [[Github Repository](#)]
- Research in literature, data scraping, data annotation, data augmentation.
- Implementation, training and deployment of a material based semantic segmentation model in 6 months.
- **Keywords:** Deep Learning, Python, Pytorch, OpenCV, Selenium, AWS SageMaker, ROS/Gazebo

Data Scientist and Software Engineer - Chambi Eagle Technology

Tunis, TN

Summer internship

July 2020 – Sept. 2020

- Design and development of an automatic vehicle recognition system in Tunisia.
- **Keywords:** Deep Learning, Object Detection, Image Classification, Python, Tensorflow, .NET (GUI application), Scrum

Data Scientist and Software Engineer - EDUTEST

Tunis, TN

Internship, Design and development project

Jan 2020 – June 2020

- Design and development of a recommendation system for scholarships and universities in the USA and Europe.
- **Keywords:** Unsupervised Machine Learning, NLP, Python, Scikit-learn, Web Scraping, Django, Bootstrap, Scrum

Python Software Engineer – Colima Plus

Nabeul, TN

Summer internship

June 2019 – Aug. 2019

- Development of a smart chatbot for a household linen manufacturing company.
- **Keywords:** Python, NLP, NLTK, Spacy, Flask, Bootstrap

EDUCATION

National School of Computer Science (ENSI)

Tunisia

Engineering degree in computer science

2018 - 2021

Relevant courses: Software engineering, OOP, Algorithms design and complexity, Graph theory, Machine Learning, Deep Learning, Data Mining, Probability, Statistics, Operational research, DDS, Database design, Cloud Computing, BI, Big Data...

Preparatory Institute for Engineering Studies of Nabeul (IPEIN)

Tunisia

Preparatory cycle in mathematics and physics (MP) - Rank in the national exam of the MP branch: 205/1500

2016 - 2018

ACADEMIC PROJECTS

- Sentiment analysis of feedbacks on COVID-19 vaccines – Machine Learning, NLP, Tweets Scraping 2021
- TIC-TAC-TOE Multiplayer Game – Unity, Multiplayer Game, Photon 2020
- Autonomous delivery robot – Python, C/C++, Embedded Systems – **Reward:** Trophy from the Tunisian Post 2019

ADDITIONAL INFORMATION

- **Volunteer experience :** President – ENSI Robotics Association (2019-2020), Member – ENSI Junior Enterprise (2018)
- **Hard skills :** Python, C++, Java, JavaScript, Unity, Oracle, MySQL, PL/SQL, Hadoop, Jaspersoft, Talend
- **Soft skills :** Leadership, Decision-making, Curiosity, Open Mindedness
- **Languages :** English: Professional, French: Fluent, Arabic: Native, Italian: Notions