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 Entreprise (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