Mohammed Skander Sassi

A rigorous, detail-oriented and self-motivated student currently pursuing an engineering degree in Computer Science, fascinated by and looking to deepen knowledge in Artificial Intelligence.

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Work Experience

Faculty of Sciences of Tunis   Tunis
Internship (End of studies project)   02 - 07/2020

- Implemented a Neural Network hyperparameter tuning pipeline using various algorithms in Ray Tune and PyTorch.
- Researched and analyzed state of the art techniques in hyperparameter optimization.
- Built a web application to launch and monitor tuning experiments using React.js.
- Created two APIs using Flask and Express.js to expose the services.
- Designed and Implemented a MongoDB database to store experiments' data.

WeReact   Tunis
Internship   07 - 09/2019

- Contributed to the creation of a training center web application using React.js and Node.js.
- Created a dashboard that enables the admins to manage the web application's content.
- Organized workflow with GitLab.

Personal Projects

- Design and implementation of a document to Braille formats conversion application.
- Implemented Neural Style Transfer based on the paper by Gatys et al., in PyTorch.
- Created a web scraper to gather jobs and internships offers in various formats.
- Implemented an OCR tool to extract, preprocess and store text from PDF files.

Education

Faculty of Sciences of Tunis   2020 - Present
Engineering degree in Computer Science

Faculty of Sciences of Tunis   2017 - 2020
Bachelor's degree in Computer Science

Grombalia High School   2017
Baccalaureate in Mathematics

Skills

Machine Learning & Deep Learning : Sci-kit learn Numpy OpenCV PyTorch
Programming: Python JavaScript
Database: MongoDB MySQL
Web: Flask React.js Node.js
Software Versioning: Git
Languages: Arabic French English