

MOHAMED OUSSEMA MHIRI

Computer Science Engineering Student

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in oussema-mhiri



EDUCATION

Undergraduate Student

National School Of Computer Science (ENSI)

2019 – Present Tunis

- Option: Artificial Intelligence

Preparatory Speciality : Physics & Technology

Sfax Preparatory Engineering Institute (IPEIS)

2017 – 2019 Sfax

- Succeeded the national preparatory exam, ranked #57

High School diploma in Technology

Mohamed Ali High School

2013 – 2017 Sfax

EXPERIENCE

2021 Summer Internship

Test Bench Reservation System

July 2021 – August 2021 PRIMATEC, SFAX

Description:

- Designed and Developed from scratch a full stack web application connected to a Jenkins server to reserve test benches using ReactJS, NodeJS, MongoDB.
- Ensured that every test bench have clear calendar and time slots available, as well as options for scheduling jobs.
- Securing the application by Preventing XSS and Request Forgery attacks and generating JWT token upon log in for API Authentication.
- Sending notifications to remind users about coming up reservations.
- Retrieve data from Jenkins for programmatic consumption and scheduling test bench shutdowns using Jenkins remote access API.
- Simulating the testing environment by creating a Jenkins master slave architecture using VMware and Azure virtual machines.
- Using ephemeral Docker containers as Jenkins build slaves.
- Securing the testing environment by establishing a Virtual private network using OpenVPN.

Technical environment:

React JS Express JS MongoDB Docker
Node JS Jenkins Microsoft Azure OpenVPN

Design and Development Project

Handwritten labels recognition

February 2021 – May 2021 ENSI, Tunis

Description:

An application made in association with the 3rd largest seed company in the world Limagrain that aims to detect, decode, extract and output handwritten text from images under 3 seconds.

Technical environment:

Tensorflow Keras OpenCV Python

Company's official Website:

<https://www.limagrain.com>

University Summer Project

Covid-19 Dashboard Website

Summer 2020 ENSI, Tunis

Description:

A website that displays a global map, statistics and daily updated informations about the covid-19 pandemic.

Technical environment:

Django HTML CSS Javascript JQuery

SKILLS

Operating Systems:

Linux Windows

Programming Languages:

Python C# C C++ Java

Web Technologies:

HTML CSS Javascript PHP React NodeJS

Frameworks:

Django JQuery Bootstrap

Libraries:

OpenCV TensorFlow Keras

Database Knowledge:

Redis MongoDB PL/SQL Oracle(10g)

Devops:

JenKins Docker Azure Virtual Machines

Other:

Git Machine Learning AI Assembly Deep Learning
TCP/IP R Language MATLAB