KAREM CHATTI

ADVANCED TECHNOLOGIES ENGINEER SPECIALIZED IN RENEWABLE ENERGIES | MACHINE LEARNING ENGINEER

CONTACT INFO

Email: karem.chatti@ensta.u-carthage.tn
LinkedIn: @karemchatti
Github: karem19
Phone number: +216 54 558 297
Adress: Tunis, Tunisia

PERSONAL BACKGROUND

An ambitious multidisciplinary engineer with focus on data science and Machine Learning

TECHNICAL BACKGROUND

Machine Learning / Deep Learning
Web Automation
Data analysis
Git / Github
Smart Grid
Problem solving

PROGRAMMING LANGUAGES

- Python(OOP,Pandas,Seaborn,Numpy,Sklearn,nltk, OpenCV,BS4,Selenium)
- SQL
- C++
- C (Basic data structures knowledge)
- Java (Data Structures - OOP)
- Matlab
- VHDL

CLOUD PLATFORMS

Azure
Google Cloud Platform

HOBBIES AND INTERESTS

Cycling
Hiking
Reading
Music

LANGUAGES

Arabic : Native proficiency
English : B2
French : Professional proficiency
German : Basic knowledge

PROFESSIONAL EXPERIENCE

RESEARCH INTERN
Technische Hochschule Ingolstadt | Mar 2021 - Today

- Analysed EV (Electric Vehicles) charging users behavior
- Developed an optimized EV charging scheduling algorithm using ML techniques
- Working on optimal charging stations siting and sizing within urban areas

PART TIME PYTHON DEVELOPER
Moyyn | Jan 2021 - Today

- Built a tool for automated talent sourcing that saved the talent acquisition team around 10 hours/week and improved the process efficiency

JUNIOR MACHINE LEARNING ENGINEER & ASSOCIATE MEMBER
Omdena | Feb 2021 - Apr 2021

- Collected startups data using open datasets and web scraping
- Built and deployed a model to predict early stage startup success for Katapult Accelerator and Seedstars

NATURAL LANGUAGE PROCESSING INTERN
iConnectServices | Jul 2020 - Sept 2020

- Collected conversational data from different sources
- Created models for chatbots & product recommendation

ACADEMIC PROFILE

NATIONAL SCHOOL OF ADVANCED SCIENCES AND TECHNOLOGIES - BORJ CEDRIA
Advanced Technologies Engineering | Aug 2018 - Today

CERTIFICATIONS

MACHINE LEARNING BY STANFORD UNIVERSITY ON COURSERA. 07/11/2019
DEEP LEARNING SPECIALIZATION BY DEEPLEARNING.AI ON COURSERA. 03/24/2020
TENSORFLOW IN PRACTICE BY DEEPLEARNING.AI ON COURSERA. 04/29/2020

PERSONAL PROJECTS

Movies collaborative filtering recommendation system
Implemented three different solutions to compare their main advantages / drawbacks on an already available dataset (movielens)
Keywords: Collaborative filtering, Python, TensorFlow, Deep Learning, NLP, Recommendation system

Conversational recommendation system
Collected relative data | Benchmark different research papers and choosing the most relevant one for the situation | Implemented the solution
Keywords: Chatbot, Python, Pytorch, Deep Learning, NLP, Recommendation System, BERT, Web Scrapping

Speaker identification for security application
Created a voice recognition for a small data using transfer learning technique.
Keywords: Python,CNN,Audio Processing ,Deep Learning, TensorFlow

Mask detection
Created a model that detects if a user is wearing a mask or not in real time.
Keywords: Python,CNN,OpenCV ,Deep Learning, TensorFlow

OTHER EXPERIENCES

-Chairman of **IEEE ENSTAB Student Branch** - 2020

-Pole Etudiant Entrepreneur de Carthage **(PEEC)** - Built a solution for optimal route recommendation using open transit data from Tunisia

-Participant at **Open Startup Tunisia (OSTX)**

-Ambassador of **IEEE Region 8 Entrepreneurship Initiative** and organizer of **Tunisia Entrepreneurship Summit -** Best ambassador award (Middle East, Africa & Europe)