

AZIZ NECHI

Software Engineering student and AI enthousiast

ABOUT ME

I am a 4th year, Software Engineering student at the Nat' Institute of Applied Sciences and Technologies (INSAT) in Tunisia.

I am a rationalist and a problem solver, I enjoy participating in various programming challenges and Hackathons, whether on algorithmic or on Data Science problems (Kaggler).

EDUCATION

National Institute of Applied Sciences and Technologies

Computer Science Engineering

- Expected graduation date: June 2022 2018 - 2022
- Maintained above average to good passing average

Preparatory cycle in Maths, Physics and Computer science 2017 - 2018

- Graduated with distinction, ranking among the top 40.

Stanford Online University

Machine learning by Andrew Ng (on Coursera)

Deeplearning.AI

Google certified Tensorflow Developer (on Coursera)

SKILLS AND ABILITIES

TECHNICAL SKILLS

Languages: Python, Java, C#, C, C++, JS/TS.

- Machine learning
- Unix systems
- Back end web development (Django, JavaEE, .net)
- Front end development (Angular)
- Automation and web scraping

SOFT SKILLS

Fast learner
Reliable and professional
Organized and motivated

Worked as Sponsoring manager for various IEEE events.

CONTACT

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🐙 Github.com/yNeshy

LANGUAGES

- 🇬🇧 English Proficient
- 🇫🇷 French Native
- 🇸🇩 Arabic Native
- 🇪🇸 Spanish Academic

PROJECTS

Emotion recognition in Tunisian dialect, Tensorflow (NLP)

- Predicts the emotion conveyed by text with 81% accuracy on validation
- Used smart word embedding and carefully built and optimized LSTM.

Advanced Housing prices predictions

- Predicts house prices according to more than 100 criteria, with around 15k\$ error margin.
- Made beginner-friendly data preprocessing notebook, available on Kaggle.

Image classifiers with Tensorflow (CV)

- Cats vs Dogs classifier with about 79% accuracy.
- Digits recognition from mnist dataset
- Horses vs Humans classifier.

Chatbot that does opinion polls on various social medias

- Created a chat bot manager middle-ware and integration API with a unified interface to communicate with various social medias (Fb, twitter,...)
- Chatbot with basic NLP that does opinion pooling on social media
- Backend of the middleware with Django and Frontend crude JS.

Highly scalable PostgreSQL database.

- Highly available psql database with master/slave replication, automatic failover (with Keepalived) and automatic logging system.

3x3 puzzle solver with CLI

- Implemented various Artificial intelligence search algorithms (A* algorithm with various heuristics, Limited depth search, Limited breadth search)
- Step by step visualization of the solving process in CLI

EMPLOYMENT HISTORY

Software Engineering intern

Geeksdatta Consulting | 07-09/2020

- Created a chat bot manager middle-ware and integration API
- Built a Django Server and deployed it via Docker.
- Built a Chat-bot, that does opinion polls on social medias.
- Scalable REST API interface to connect to various social medias.

Database administration intern

Infraplus | 06-07/2020

- Development of a highly-available PostgreSQL Database
- Automatic fail over with Keepalived
- Master/Slave replication
- Automatic logs and monitoring unit

Sponsoring Manager

IEEE Computer Society | 2019 - 2020

- Sponsoring Manager at the Computer Science Tech Congress.
- Speakers Manager at DataOverflow first edition.