

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
- Computer Vision, NLP and NLG
- Linux/Unix systems.
- Back end web development (Django, NestJS, ...)
- Front end development (Angular)
- Automation and web scraping

SOFT SKILLS

Fast learner
Reliable and professional
Organized and motivated
Innovator
Thinker

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.
- Used smart word embedding and carefully built and optimized LSTM.

Deep learning for Sentiment and Stance Detection in Covid-19 related tweets and retweets. (tutored by Dr Sana Hamdi)

- Ongoing school project (PFA)
- Tutored by Dr Sana Hamdi

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.

Chatbot that does optinion 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 database with automatic recovery

- Highly available PostgreSQL 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

Geeksdata Consulting | 07-09/2020

- Built a Django Server serving as middleware for the various chatbots of the company, and deployed it via Docker.
- Built a Chat-bot, that does opinion polls on social medias.

Database administration intern

Infraplus | 06-07/2020

- Development of a highly-available master-slave PostgreSQL Database
- Automatic fail over (Keepalived) and automatic logging and monitoring

Sponsoring Manager

IEEE Computer Society | 2019 - 2020

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

Freelance: Back end development and Machine learning

Upwork | since 12/2020