

Alaeddine Hamroun

1st year Software Engineering Student

A self-motivated and quick learner software engineering student at INSAT. A Machine learning enthusiast with passion for technology, seeking opportunities to acquire more knowledge and put my skills to good use. Keen to pursue a career in software engineering with a focus on adding valuable contributions on this field.



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EDUCATION

Software Engineering

INSAT

09/2021 - Present

Tunis, Tunisia

Preparatory cycle: Mathematics, Physics and Computer science

National Institute of Applied Science and Technology

09/2019 - 06/2021

Tunis, Tunisia

Baccalaureate-Mathematics

Pionner school of Mednine

09/2015 - 06/2019

Mednine, Tunisia



PROJECTS

Orb ALPHA - Personal Professional Project (01/2022 - Present)

- ▶ A companion robot powered by AI that plays the role of a nurse, boosts the patient's mood, serves the customer and his doctor, knows people and recognize voices.
- ▶ My contributions: Develop website to administrate the robot, build a sign detection model with MediaPipe.

Fruit detection system - Professional Project - Part of Project Axis INSAT (02/2022 - Present)

- ▶ Build a realtime detection system for strawberries. This model will be used in an automated agricultural robotic platform in order to estimate the performance of the fruit and and automated harvest.
- ▶ My contributions: Gather Data, try different classification and object detection models.

Philia - Part of Project Axis INSAT (02/2022 - Present)

- ▶ A mobile application dedicated to Deaf-mutes to help them translate their gestures into understandable text.
- ▶ My contributions: Develop the edit profile feature with flutter.

GameShop - Personal Project (06/2021 - 09/2021)

- ▶ An ecommerce website for selling gaming gear online, built using MEAN stack. [Demo](#)

Khedma.tn - Web Project (01/2021 - 06/2021)

- ▶ A website that aims to connect individuals looking for household services with independent service professionals. [Source code](#)



TECHNICAL SKILLS

Web Development

HTML, CSS, Javascript, Bootstrap, Angular, NestJs, NodeJs, ExpressJs, Spring Boot, Symfony

Machine learning

Numpy, Pandas, Matplotlib, Scikit Learn, Tensorflow, Keras, OpenCv

Programming languages

Java, Javascript, C, C++, PHP, Python

Databases

MySQL, PL/SQL, MongoDB

Methodologies & Tools

Scrum, UML, Git



CERTIFICATES

Neural Networks and Deep Learning - by DeepLearning.AI (12/2021 - Present)

Study the foundational concept of neural networks and deep learning.

Exploratory Data Analysis for Machine Learning - by IBM (03/2022 - 03/2022)

Learn to retrieve data, clean it and apply feature engineering. [Certificate](#)

Programming for Everybody - coursera (04/2020 - 04/2020)

Learn the basics of programming computers using Python. [Certificate](#)



LANGUAGES

English

Full Professional Proficiency

French

Professional Working Proficiency

Arabic

Native Proficiency

Spanish

Elementary Proficiency



INTERESTS

Chess

Football

Video Games

Painting