

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

09/2019 - 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, Pytorch, Keras, OpenCv

Programming languages

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

Databases

MySql, PL/SQL, MongoDB, JDBC

Methodologies & Tools

Scrum, UML, Git, Google Colab, Jupyter Notebook

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 or Bilingual Proficiency

Spanish

Elementary Proficiency

INTERESTS

Chess

Football

Video Games

Painting