

Alaeddine Hamroun

1st year Software Engineering Student

A 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 artificial intelligence 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 - 06/2022)

- ▶ 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. [View more](#)
- ▶ My contributions: Develop website to administrate the robot with Angular and Firebase, build a sign detection model with MediaPipe.

Fruit detection system - Professional Project - Project Axis INSAT (02/2022 - 06/2022)

- ▶ 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 - Project Axis INSAT (02/2022 - 06/2022)

- ▶ 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](#)



LANGUAGES

English
Full Professional Proficiency

Arabic
Native Proficiency

French
Professional Working Proficiency

Spanish
Elementary Proficiency



TECHNICAL SKILLS

Web Development

HTML, CSS, Javascript, Bootstrap, Angular, NestJs, NodeJs

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, Docker, Ansible, Jenkins



WORK EXPERIENCE

DevOps Intern Softifi

07/2022 - 08/2022

Tasks

- ▶ Implemented CI/CD pipeline using Docker, Jenkins and Bitbucket for Odoo ERP.
- ▶ Managed configuration for azure VMs with Ansible.
- ▶ Monitored infrastructure with Zabbix.
- ▶ Created a Kubernetes cluster with kubeadm.



CERTIFICATES

Neural Networks and Deep Learning - DeepLearning.AI (12/2021 - 06/2022)

Study the foundational concept of neural networks and deep learning.
[Certificate](#)

Supervised Machine Learning: Regression - IBM (07/2022 - 08/2022)

Train regression models to predict continuous outcomes and use error metrics to compare across different models. [Certificate](#)

Exploratory Data Analysis for Machine Learning - 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](#)