

# ANIS BEN HOUIDI



Computer Science Engineering Student

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## SUMMARY

A second year computer science engineering student with a passion for solving complex challenges, with out-of-the-box thinking and strong analytical skills. Interested in emerging technologies, especially Artificial Intelligence and Machine Learning, with the goal of leveraging my education and expertise to contribute to innovative projects, gain valuable industry experience, and continue to grow professionally.

## EDUCATION

### ENSI-National School for Computer Science

National degree in Comp. Sci. Engineering  
2021-Present

### IPEIN- Preparatory Institute for Engineering Studies of Nabeul

DEUPC - Physics and Chemistry  
2019-2021

## SKILLS

- Languages: Python, Java, C/C++
- Frameworks: Django, React, Flask,
- Machine Learning: K-means, PCA, Random Forests, SVM, Kohonen Maps, Q-learning, CNN, RNN, LSTM...
- ML frameworks: Tensorflow, PyTorch
- Data Science: R, Matplotlib, Pandas, Numpy
- IDEs: VsCode, Eclipse, Android Studio
- Versioning: Git, Github
- Software modeling: UML, Abstract B Machines

## EXTRACURRICULARS

- Active member of ENSI Competitive Programming Club
- Active member of CO'ART ENSI Art Club
- Active member of Manouba Google Developers Groupes

## PROJECTS

### MERN Arabic NLP Web App

Personal Project | March 2024 - Ongoing

- Created various NLP algorithms and models including Transformer pipelines and LLMs to perform NLP tasks for Arabic, such as summarization, text generation, question answering, translation and sentiment analysis.
- Deployed the models on Flask
- Used React for Frontend, MongoDB, Express and Node for authentication
- Key words: NLP, LLMs, Generative AI, MERN, Flask

### Medical Platform Offering Diagnosis With AI

ENSI Design & Development Project | Feb 2023 - May 2023

- Medical Platform for coordinating between healthcare practitioners and patients, generating reports, exchanging scan files and diagnosis from scan X rays with AI.
- Performed Image processing ensuring data is suited for the model, built, trained and streamlined a CNN model for classification and deployed it into a Django Application, helped with multi-factor and multi-user authentication.
- Keyword: Django, MySQL, Tensorflow, Python, Image Processing, Image Classification.

### React Portfolio

Personal Project | Spet 2023 - Dec 2023

- Used React and TailwindCSS to create a static portfolio website.

### Language Specific Compiler

ENSI Compilation Theory | Spet 2023 - Dec 2023

- Built a Lexer and a Parser for a specific grammar using C.

### Wordle Clone in Android Studio

ENSI Summer Project | June 2022-July 2022

- A Wordle clone built in Java in Android Studio, which was part of a series of serious games.
- Key Words: Java, OOP, Android Studio.