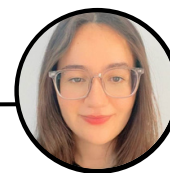


# Sarra Ayed

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## DATA SCIENCE STUDENT



## PROFESSIONAL SKILLS

**Programming Languages:** Python, R, C#, JavaScript, Java, PHP, C.

**Database Technologies:** MySQL, Oracle Database, MongoDB, Elasticsearch.

**Web Development Frameworks and Libraries:** Django, React, .NET, SpringBoot, Laravel, jQuery..

**Development Tools and Environments:** Jupyter, VS Code, IntelliJ IDEA.

**Other Tools:** Git, Postman.

## PROFESSIONAL EXPERIENCE

### Anypli

#### Full Stack Developer Intern

Juin.2022-Aout.2022

#### Accomplishments:

- Analyzed needs, crafted PHP/MySQL backend.
- Built engaging frontend using jQuery and libraries.
- Enhanced website usability and interactivity.

## ACADEMIC PROJECTS

### Academic Project

#### Career Center Platform - MindMatch

Programming Languages : Python

#### Accomplishments:

- Performed clustering analysis on job descriptions/resumes using **KMeans** and **SentenceTransformer**.
- Developed content-based/hybrid recommendation systems.
- Implemented intelligent chatbot using OpenAI API.

### Academic Project

#### Chronic Kidney Disease Prediction

Programming Languages : Python

#### Accomplishments:

- Conducted data cleaning, visualization, and preparation for predictive modeling.
- Compared classification models (**KNN**, **Naive Bayes**, **SVM**, **RF**, **Decision Tree**).
- Evaluated model performance with accuracy, precision, recall, F1 score.

### Academic Project

#### Grape Variety Morphology Study

Programming Languages : R

#### Accomplishments:

- Implemented data preprocessing techniques, including outlier detection using **KNN**.
- Conducted **correlation analysis** on morphological characteristics of Kecimen and Besni grapes.
- Utilized **linear** and **generalized linear regression** to uncover feature relationships with grape variety type.

### Academic Project

#### E-commerce Web Application

Programming Languages : **HTML5**, **CSS3**, **NodeJS**, **ReactJS**

#### Accomplishments:

- Developed responsive UI with **HTML5**, **CSS3**, and **ReactJS** for enhanced user experience
- Built efficient **MongoDB** and **NodeJS** search engine for improved product discovery and sales.
- Designed **MongoDB** database for efficient product and customer data storage.

## EDUCATION

### Data Science Engineering Degree

Private Higher School of Engineering and Technology - ESPRIT

Sep.2019 - Now

### Bachelor's degree Computer Science

Monastir Faculty of Science

Sep.2018 - Jun.2019

### High School degree Experimental Sciences

Hedi Khfecha Monastir High School

Sep.2017 - Jun.2018

## EXTRACURRICULAR ACTIVITIES

- Reading: Passionate reader.
- Gaming: Enthusiastic gamer.
- Painting: Talented painter.

## LANGUAGES

- Arabic: Native proficiency.
- English: Advanced
- French: Intermediate level