

NOUR HADRICH

Computer science engineering student

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EDUCATION

Masters in Computer Information Systems ESPRIT	Tunisia, July 2023
Courses : <i>Machine Learning, Deep Learning, SpringBoot, .NetCore, DevOps, R, Symfony</i>	
Bachelor's in Computer Information Systems ISET Chargaia	Tunisia, July 2020
Courses : <i>Software Engineering, Advanced Object Programming, Database Management System</i>	

EXPERIENCE

Data science Internship at Esprit	July 2022 - September 2022
<i>Engineered a project that aims to predict air pollutant concentration in Beijing:</i>	TUNISIA, TUNIS
<ul style="list-style-type: none">Detected outliers and removed them using a box plot.Imputed missing values using KNNImputer.Utilized machine learning models such as XGBoost, CatBoost, and Lightgbm to predict the air quality of the following hour using lagged features by 2 hours (determined with PACF) and got a 9,8 RMSE Score.Implemented Deep learning models like LSTM, RNN, TabNet, GRU, and transformers with PyTorch using lagged features by 48 hours which resulted in a RMSE of 14,3.	
Web Internship at FormaLab	July 2021 - August 2021
<i>Created an appointment scheduling and booking website in MEAN stack:</i>	TUNISIA, TUNIS
<ul style="list-style-type: none">Built the back end services using RESTFUL API architecture using SpringBoot.Programmed real time Socket.io notifications .Worked on the front end and adding the google geolocation API using Angular.Constructed the back office module for administrative functions.	
Graduation Internship at FormaLab	February 2020 - July 2020
<i>Worked within a SCRUM team to develop an ERP solution in micro-services:</i>	TUNISIA, TUNIS
<ul style="list-style-type: none">Created the back-end Rest API's using Spring Boot, and consul for micro service architecture.Created a distributed message system with RabbitMqDeveloped front-end using Angular.Designed the database structure .	

PROJECTS

DevOps project Docker, Jenkins, Nexus, Sonatype Nexus, Spring Boot	In progress
<ul style="list-style-type: none">Integrated tests with Junit and Sonarqube.Develop and optimize CI build jobs with the help of Jenkins.Containerised the application using Docker.	
Tfahrida Symfony, JavaFX, CodenameOne, MySQL	February 2021 - May 2021
<ul style="list-style-type: none">Worked within a SCRUM team to develop solution for booking camping trips and shopping for camping gear.Implement a shopping cart module.Handled the product management moduleIntegrated the app in three platforms: Mobile web and desktop.	

SKILLS

Languages and software	Javascript, Python, Java, PHP, C# R, Linux
Frameworks	Angular, NodeJs, ExpressJs, Django, Spring Boot, .NET, PyTorch, Tensorflow
Database	MySQL, PostgreSQL, MongoDB, Hadoop
Other	Git, SCRUM, Trello

LANGUAGES

<i>Arabic Native proficiency</i>	<i>English Advanced</i>	<i>French Advanced</i>
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