



# Chayma Ben Dhafer

Software Engineering Student

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Software Engineering student, minoring in Data Science. Passionate about artificial intelligence and wants to work on innovative projects within a highly effective team.

## EDUCATION

### Software Engineering

National Institute of Applied Sciences and Technology (INSAT)

09/2016 – Present

### Baccalaureate Diploma 2016

EL OMRANE HIGH SCHOOL, TUNIS

09/2011 – 06/2016

Major: Mathematics - graduated with highest honour : 17.09

## WORK EXPERIENCE

### Software Engineer Intern

ADS: ADVANCING DERIVATIVE SOLUTIONS

06/2019 – 07/2019

#### Achievements

- Developing the 'Buildings' module of a platform for managing collective investment schemes in real estate (OPCI)

Tools: : Angular6, SpringBoot, MySQL, gitblit

### Developer Intern

ORANGE TUNISIA

07/2018 – 08/2018

#### Achievements

- Developing a knowledge base to store incident reports already encountered within the teams
- managing the storage of KPI's of DRS departement

Tools: Javascript, PHP, MongoDB

## EXTRACURRICULAR EXPERIENCES

### AI\_HACK Tunisia 2019

Participant at the Startup Hackathon

### Data Co-Lab

Member in Learning departement

### Junior Enterprise INSAT

Project Manager assistant

### IEEE INSAT -Computer Society Chapter

Trainer in the Hour of Code (December 2018)

### TEDx INSAT "a Bird in The Hand..."

Speaker Manager and member in Vision Team (November 2018)

### JCI INSAT, AIESEC University

Sponsor manager and Organiser (July - August 2018)

### IEEE Day - IEEE INSAT

Organiser (October 2018)

### Tunisian Aeroday - AeRobotiX INSAT

Organiser (April 2017)

## SKILLS

Programming Language:	Python, Java, C#, C++
WEB:	J2EE, PHP, HTML, CSS, JavaScript
Framework :	Springboot, Symfony, Angular, .NET
Database	SQL, NoSQL, MySQL, MongoDB
Project management methodology and Design	Scrum, UML, Agile, Git
Operating system :	Linux, Windows
Techniques	Machine Learning ,Deep Learning, Artificial Intelligence, Data Mining

## PERSONAL PROJECTS

### Image captioning using Attention Mechanism (04/2020 – Present)

- Implementing attention mechanism to achieve state-of-the-art results on NLP and use of pre-trained computer vision models.

### 3D Deep learning framework for hyperspectral image classification (01/2020 – 06/2020)

- Processing hyperspectral images and surpassing 3DCNN efficiency with a new SSRN model using optimisation mechanism
- Using Python ,Keras and Tensorflow

### HANDYMAN PROJECT (11/2019 – 01/2020)

- Developing and designing a platform to organise the communication between craftsmen and clients
- Tools: Angular 7 ,SpringBoot ,MySQL

### PETPAL PROJECT (01/2019 – 03/2019)

- Developing and designing a platform for pet owners and professionals providing services for domestic animals.
- Applying the scrum methodology using Azure DevOps.

## CERTIFICATES

Sequence Models 📄

Convolutional Neural Networks 📄

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization 📄

Neural Networks and Deep Learning 📄

Structuring Machine Learning Projects 📄

## LANGUAGES

English  
Professional Working Proficiency

French  
Full Professional Proficiency

Arabic  
Native or Bilingual Proficiency