



**Age**  
26 y.o.



**Tel**  
(+216) 93 849 223



**Mail**  
nada19nsiri@gmail.com

# Nada NSIRI

## Hydraulic and Environmental Engineer

### EDUCATION

**2021 – GoMyCode**

Full-Stack Javascript Bootcamp track

**2018 – National Engineering School of Tunis (ENIT):**

National Engineering Diploma with honours.

**Subjects:** Hydrology, hydrogeology, Hydraulic modelling, Environmental modelling, Production and distribution of drinking water, sanitation

**2015 – Preparatory Institute for Engineering Studies - El-Manar (IPEIEM):**

Preparatory courses for Engineering studies in Technology (PT).

**Subjects:** Physics and chemistry, Mathematics, Computer Sciences, mechanical and industrial design

**2013 –Bou Salem High School:**

Technical Sciences Baccalaureate with honors.

### PROJECTS

**MERN APP: (GoMyCode Final Project):**

Creating a MERN application from scratch: A web site for a private

**End of the 2<sup>nd</sup> year project (PFA2):**

Modeling the flows of the Medjerda river at Bou Salem via the development of an artificial neural network model. (MATLAB).

**Urban hydrologic and hydraulic modelling:**

Hydraulic study of a bridge (HEC-RAS),

Design of a: drinking water distribution network (EPANET), a sanitation network (EPA SWMM), and a treatment plant.

**Modelling with CFX:**

Aerodynamics of high speed trains (Ansys CFX).

**Innovation project (with INJAZ-Tunisia):** Creation and marketing of a product.

### EXPERIENCE AND INTERNSHIPS

**Oct. 2018- Jan. 2020-IAP (Ingénierie, Assistance & Pilotage):**

Hydraulic and environmental engineer at IAP

- Carry out studies
- Develop all types of plans, from design to execution.
- Edit design calculation notes in accordance with the regulations.
- Design computer models.

Intervene on the most technical subjects and provide a complete solution in all phases:

- Study and design of structures
- Provide preliminary studies and detailed design reports.
- Development of Environmental and Social Management Plans (ESMP)
- Implementation studies

**Feb. June 2018- End of studies project-EPPM: "Extraction of methane from Lake Kivu"**

Water hammer and multiphase flow studies with AFT Impulse, OLGA and ANSYS CFX.

**Jul. 2017- Engineer internship - Regional Commission for Agricultural Development (CRDA): "Soil Remediation Study"**

Hydrological study and design of the drainage network

**Jul. 2016-National Sanitation Office (ONAS): « Wastewater treatment »**

Internship at the wastewater treatment plant of Bou Salem

### SKILLS

#### Technical :

- Web Development
- Hydraulic projects and works,
- Drinking water supply,
- Sanitation and wastewater treatment,
- Environmental studiesGIS
- Hydrology &hydrogeology,
- Hydraulic modelling
- Pumping
- Structural work, roads and utilities

#### Computer

##### ☒ Web Development:

**Coding:** React JS, Node JS, Express JS

**Databases Management Systems:**

MongoDB, MySQL

**Tools:** GIT

##### ☒ Software:

**Remote sensing, cartography and**

**GIS:** QGIS, ARCGIS, ENVI, Grapher, SURFER

**Hydraulic and environmental modeling and civil engineering**

**tools:** ANSYS CFX, OLGA, AFT Impulse, HEC-RAS, HYDRUS, EPA SWMM, EPANET, Covadis, Robot, ADMS

**CAD software:** AutoCAD

☒ **Programming:** R, MATLAB, C

☒ **Office:** Microsoft Office Word, PowerPoint, Excel, Publisher, Photoshop

### LANGUAGES

**English :** Proficient English User

**French :** Proficient User (DELF B2)

### INTERESTS

**Hobbies:** Painting, literature, DIY, Design

**Club:** Club AstroENIT (Astronomy Club)