



Emna Ben Mariem

Senior Chemical Engineering Student
specialized in Environmental and Process
Engineering

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Tunis, Tunisia 📍

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Solution-driven senior student, in search of an end of engineering studies internship

EDUCATION

Master's Degree in Chemical Engineering

National Institute of Applied Science and Technology

09/2017 – Present

Tunis, Tunisia

Courses :

- Industrial Processes
- Organic Chemistry
- Thermochemistry and Kinetics
- Electrochemistry
- Economics and Social Sciences
- Environmental science
- Molecular Chemistry
- Analytical Chemistry
- Other related chemistry disciplines

Bachelor's Degree in Chemistry

National Institute of Applied Science and Technology

09/2014 – 09/2017

Tunis, Tunisia

WORK EXPERIENCE

Engineering Intern

Total Tunisia

07/2019 – 07/2019

Tunis, Tunisia

A French multinational integrated oil and gas company

Achievements

- Updating liquid Hydrocarbons storage procedures and studying the impact of oil spills on marine life

Engineering Intern

UL ICQ - Underwriters Laboratories

08/2018 – 08/2018

Tunis, Tunisia

Global safety certification company

Achievements

- Toxicological analysis essentially on pesticides and textiles, according to ISO/IEC 17025 2017

Engineering Intern

STEG : Tunisian Company of Electricity and Gas

07/2018 – 07/2018

Tunis, Tunisia

Production and distribution of electricity and natural gas

Achievements

- Physicochemical analysis of wastewater and gas turbine engine oil lubricants using Atomic Emission Spectroscopy, HPLC

End of Bachelor's Studies Internship

Adwya

02/2017 – 06/2017

Tunis, Tunisia

Pharmaceutical Industry

Achievements

- Quality control of an antihypertensive drug, using HPLC, CPG and other analysis methods

TECHNICAL SKILLS

Programming Languages: MatLab, Python, R Language

Physical Modelling and Process Simulation: Comsol Multiphysics, ANSYS Fluent, Aspen HYSYS, Aspen Plus

Physicochemical Analysis Methods: HPLC, Gas Chromatography, ICP/MS, IR Spectroscopy, Atomic Emission Spectroscopy

Others : Photoshop Ps, Microsoft Office

ACADEMIC PROJECTS

Basics of Solar Photovoltaic Panel Systems

- Study of electricity generation using PV panel array
- The impact of renewable energies on the environment

Production and optimization study of a gasification process of the biomass to generate a synthesis gas enriched in Hydrogen

- Studying a simulation using Aspen Plus

Wastewater purification process using an ionized gas

EXTRACURRICULAR ACTIVITIES

National Tunisian Day of Robotics (2019)

Partnership and external relations manager

TEDx Talks INSAT (2019)

Media Manager

Wallah We Can : Volunteer teacher for Prep-School Students (2016 – 2017)

IEEE INSAT Institute of Electrical and Electronics Engineers (2016 – 2017)

Active member

Cinema-Radio INSAT Club (2015 – Present)

Cultural club member

LANGUAGES

Arabic

Native

French

Bilingual

English

TOEIC Listening and Reading (890/990)

German

Elementary

INTERESTS

Ecology and Environment

Drawing

Photography

Self improvement

Music production