



Emna Ben Mariem

Senior Chemical Engineering Student
specialized in Processes & Environmental
Science

benmariememna@gmail.com ✉

+216 25 751 496 📞

Tunis, Tunisia 📍

linkedin.com/in/emna-ben-mariem-193234162 in

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

EDUCATION

Chemical Engineering

National Institute of Applied Science and
Technology

09/2017 – Present

Tunis, Tunisia

Courses :

- Process Engineering
- Organic Chemistry
- Thermochemistry and Kinetics
- Others
- Environment science
- Molecular Chemistry
- Economics and Social Sciences

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, studying the impact of oil spill

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 :

- Quality control of gas turbine engine oil lubricants that generate electricity, water treatment

End of Bachelor's Studies Internship

Adwya

02/2017 – 06/2017

Tunis, Tunisia

Pharmaceutical Industry

Achievement

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

TECHNICAL SKILLS

Programming Language : MatLab, Python, R Language

Physical Modelling : Comsol Multiphysics, ANSYS Fluent

Chemical Analysis Methods : HPLC, CPG, ICPMS, IR Spectroscopy, Atomic Emission Spectroscopy

Other : 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

Designing of a silver recycling plant

- Economical and technical study of a silver recycling plant using hospital waste

EXTRACURRICULAR ACTIVITIES

National Tunisian Day of Robotics (2019)

Committee member

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

Excellent

German

Elementary

INTERESTS

Drawing

Cinema

Artificial Intelligence

Self improvement

Photography

Music production