

Education

Technische Universität München April 2023 - November 2025

Master of Science in Electrical Engineering and Information Technology

- **Master Thesis:** Simulated Evaluation of Environment Impact on LDPC Decoding, at LKN, TUM and NOKIA
Image processing and recognition

Technische Universität München Oct. 2019 - Mai 2023

Bachelor of Science in Electrical Engineering and Information Technology

- **Bachelor Thesis:** Automated counting system for cell microencapsulation, at Microrobotic Bioengineering Lab, TUM
Image processing and recognition

Carl Duisberg Zentrum, Köln Dec. 2018 - June 2019

Attended German courses, ended with a DSH-2 Certificate

as a Free candidate 2017 - 2018

French Baccalaureate with a focus on biological science with distinction

Pioneer High School of Sousse, Tunisia 2014 - 2018

Tunisian Baccalaureate with a focus on mathematics with distinction

Experience

Nokia Strategy & Technology May 2025 - November 2025

Master Thesis - Simulated evaluation of environment impact on LDPC decoding

- Analyzed effects of environmental factors on LDPC decoding.

Nokia Solutions & Networks March 2025 - May 2025

Research Intern - LDPC Decoding Evaluation System

- Implemented a system for evaluating LDPC decoding performance.

Infineon Technologies AG December 2020 - June 2024

Automotive Microcontrollers Product Marketing and Management

- Managed internal and external documentation access.
- Supported updates to documentation and web content.
- Coordinated worldwide sample shipments.
- Assisted in organizing exhibitions and training events.

Key Skills Assessment

Language Proficiency: Native/Bilingual Proficiency: French, Arabic — Fluent: English, German

Programming Languages: Python, C/C++, C#, JavaScript

Frameworks & Libraries: Node.js, React, Next.js, Tailwind CSS, OpenCV, PostgreSQL, Redis

Concepts & Tools: MATLAB, Vector Search based RAG, Arduino, Unity3D, Pinecone

Achievements

LauzHack 2023 - EPFL

- Simultaneously participated in two teams.
- Won the SwissCom challenge by developing a chatbot that generated article-format responses by extracting data from Swisscom's website.

StartupWeekend Carthage AI Edition 2017 | *Introduced to the entrepreneurial experience*

- Improved pitching and presentation skills.
- Qualified to present in front of the jury.

Coding Moon Challenge | *Focus: Mobile Development using Ionic.*

- Achieved 4th place among 40 participants.
- Awarded VIP invitations to DROIDCON Tunisia 2016, the largest Android conference in the MEA Zone.

GoMyCode summer academy 2016 | *Focus: Game Development using Unity3D*

- Initiated to C# and Unity3D game development
- Awarded with a teamworking-prize

Tunirobots (2015 & 2016) | *Focus: Robotics using C/C++*

- Built four autonomous robots and reached semifinals in 2016 as the youngest competing team.

Social Engagements

Field Volunteer: at Municipality of Hammam Sousse, Tunisia. During the corona-crisis related total lockdown in Tunisia, I helped in the preparing and transport of nutritional aids.