

# Tasnim Chourabi

📍 Nabeul, Tunisia

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## SUMMARY

Third-year Electrical Engineering student at ENSIT, specializing in **Automation and Industrial Computing**, with a Master's focus on **Advanced Signal Processing and Automation**. Skilled in control systems, industrial automation, and signal processing, seeking to apply technical expertise in a professional internship.

## WORK EXPERIENCE

### Technician Internship, SAGEMCOM

June 2024 – July 2024

- Simulation using ISIS PROTEUS.
- Programming in Python and Implementation on the Raspberry Pi board.

### Worker Internship, FATAR

June 2022 – July 2023

- Production Assistance, Equipment Maintenance, Testing, and Quality Control.

## EDUCATION

### Electrical Engineer and Master's Student

The Higher National Engineering School of Tunis (ENSIT)

### Preparatory Cycle for Engineering Studies (Physics-Chemistry)

Preparatory Institute for Engineering Studies of EL MANAR (IPEIEM)

### Baccalaureate in Experimental Sciences

Boukornine High School

## ENGINEERING PROJECTS

### End-of-year Project No. 2: Ball Balancing Table Project

- Creation of a balancing ball table using image processing and implementation on Raspberry Pi, with control interface development.

### End-of-year Project No. 1: Visual Counting System

- Development of a visual counting system using OpenCV, implemented on a Raspberry Pi.

### LabView Projects: Motor and Conveyor Simulation

- Modeled and controlled the movement of a motor-driven conveyor system for virtual testing of industrial processes.

### STM32 Project: Surveillance System

- Set up a system with 3 potentiometers, varied speed of DC motors, and transmitted data via Bluetooth on STM32F407.

## ENGINEERING SKILLS

- C/C++, Embedded C, Python, MATLAB/Simulink, Tia Portal, Proteus ISIS, Altium, STM32CubeIDE, PSSE, LabVIEW, Arduino, Multisim, HTML/CSS/JS, React/Redux, MongoDB, Nextjs, Git.

## CERTIFICATIONS

LabVIEW Level 1 – by National Instruments

June 2024

MATLAB

May 2023

Full Stack Developer – by GOMYCODE

2024

## LANGUAGES

- **English:** B2
- **French:** B2
- **Arabic:** Native Language

## COMMUNITY LIFE

- **HR Member at ELEC ENSIT Club:** 2022-2024
- **Organizing Member of ENSIT Forum:** 2022-2023
- **Member of JUNIOR Entreprise :** 2022-2023

## SOFT SKILLS

- Teamwork
- critical thinking
- Empathy