IDAR YASSYN

Electrical Engineering Student, Embedded Systems and Telecommunications

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PROFILE SUMMARY

5th Year Engineering Student (ENSEM) specializing in Embedded Systems and Telecommunications. I am seeking a Final Year Project (FYP) internship in **Critical Embedded Systems Engineering** for the aeronautics sector. My profile combines Model-Based Design (**Simulink**) and real-time C/C++ programming. I have a solid foundation in functional safety standards (**DO-178C**) and avionics protocols (**MIL-STD-1553**). My dedication to rigor is a key asset for Safran's demanding projects.

EDUCATION

State Engineering Diploma (Master's Equivalent) 2023 – Present
École Nationale Supérieure d'Électricité et Mécanique (ENSEM), Casablanca
Specialization: Electrical Engineering, Embedded Systems and Telecom (GESET)

University Diploma of Technology (DUT) 2021 – 2023
École Supérieure de Technologie (EST), Kénitra
Specialization: Embedded Electronics for Automotive (EEA)

Baccalaureate (High School Diploma) 2020 – 2021
Lycée Ibn Sina, Biougra, Agadir
Specialization: Physical and Chemical Sciences

PROFESSIONAL EXPERIENCE

Technical Internship at Marsa Maroc | *Casablanca, On-site* 01/07/2025 – 01/09/2025

- **Internship Theme:** Real-Time Design, Supervision, and Control of the Suspended Container on an STS (Ship to Shore) Gantry Crane.

Initiation Internship at ONEP | *Leqliaa, Agadir, On-site* 01/08/2024 – 01/09/2024

- **Internship Theme:** Optimizing the Running Time of a Surface Scraper using an Ultrasonic Sensor.

Technical Internship at Hyundai | *Kénitra, On-site* 01/04/2023 – 01/06/2023

- **Internship Theme:** Diagnostic Assistance Tool Based on the Case-Based Reasoning (CBR) Approach.

TECHNICAL PROJECTS

- **Automated Medication Dispenser Robot (PharmaBot)**
- **Intelligent Traffic Light System**
- **Self-balancing Robot using PID**

TECHNICAL SKILLS

Programming : C/C++, Python, VHDL/Verilog, Arduino IDE, Codeblocks.
Modeling / MBD : MATLAB/Simulink, Stateflow, QEMU, HIL (Hardware-in-the-Loop), HDL Coder.
Electronics - Design : ISIS Proteous, MPLAB, Xilinx (Vivado and Vitis), AutoDesk EAGLE.
Protocols : MIL-STD-1553, ARINC 429/653, CAN, LIN, FlexRay, Ethernet Avionic, I2C/SPI/UART.

LANGUAGES AND ACTIVITIES

Languages : French (Fluent), English (Upper Intermediate), Arabic (Native).

Activities : Ex-Project Leader at Club AéroENSEM.