RAKYA KNANI

MICRELECTRONICS ENGINEERING

CONTACT

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📍 Enfidha-Sousse 4030

SKILLS

- Programming (Python C,C++)
- Circuit Design (VHDL)
- MATLAB
- CST
- Altium
- Eagle
- Linux
- LabVIEW

ASSOCIATIVE ACTIVITIES

- Member of the Red Crescent (2020-Present).
- Engaging in volunteer activities focused on environmental preservation (2018-2020).

PERSONAL QUALITIES

- Dynamism
- Adaptability
- Leadership

LANGUAGES

- Arabe
- English
- French

PROFILE

A final year student in microelectronics engineering at the Higher Institute of Mathematics and Computer Science of Monastir, displaying significant potential for exploring and acquiring new knowledge.

EDUCATION

MICROELECTRONICS ENGINEERING — 2022-present
The Higher Institute of Mathematics and Computer Science of Monastir

BACHELOR'S DEGREE IN EMBEDDED SYSTEMS — 2020-2022
The Higher Institute of Mathematics and Computer Science of Monastir

HIGH SCHOOL DIPLOMA — 2019
Enfidha 2 High School

INTERNSHIP

SITEX: Summer internship — July 2024
Design and implementation of a safety and speed control system for a framing machine (STM 32- Altium)

Enfidha Cement Company : observational internship : — August 2024
Research for sensors used in the industry

Enfidha Cement Company : End-of-studies project — February 2022- June 2022
Design and implementation of a universal control system for circuit breakers(Arduino-Eagle-PCB circuits)

PROJECT

Developing and optimizing an MRZ Scanner — April 2024 - June 204
(Python-Raspberry pi-Machine learning-AI)

Design and implementation of a numerical control for MCC (Python-Raspberry pi4-HMI) — May 2024

Research on the development of a brain tumor detection system (Python-AI) — November 2023

Design and implementation of a smart watering system — February 2023 - April 2023
(Arduino- Altium-Android Application-PCB circuits)

Design and construction of a talking remote-controlled robot for civil protection — November 2021 - January 2022
(Arduino-Android Application)