NHASSE ILYAS
Embedded Systems and Industrial Computing Engineering Student

Profile

21 years old young curious engineering student, pursue the academic career to enhance the knowledge of the embedded systems and Industrial Computing Engineering

Contact

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Extracurricular

IEEE ENSA FES   2021 - Present

Leader of the Design committee
Activist in all the extracurricular
Activities of the community IEEE

Languages

Arabic	NATIVE
English	B2
French	B2

GitHub :

https://github.com/scopenhasse

Skills

Model Based Design :	Simulink, Matlab
Embedded Platforms :	DSP,, Raspberry Pi4, Arduino, PIC16F877, ARM 7
Programming :	C , C++, Java, C embedded
Hardware Description :	VHDL, MODELSIM, QUARTUS
Embedded OS :	Linux, FreeRTOS, Yocto Project, BuildRoot
Network :	TCP/IP, Adressage IP, LinuxServer
Smart Card :	JavaCard, ISO 7816
HMI :	QT, C++ / tkinter, Python / JSwing, Java
Android Devlopment :	Java, XML
WebDev :	HTML, CSS, Php, JavaScript
Modalization DB :	SQL, UML, Oracle
Modalization 3D :	CATIA V5
Graphic-Design :	Illustrator , After effect
Automotive Industry :	MISRA - C, AUTOSAR, ISO 26262, Dev en cylce V

Disciplines : Object Oriented Programming, System Programming, RealTime Programming, System Modalization, Modulation and Signal Processing, Integrated Circuit Design, Advanced system control, Channel and Source Coding

Projects :

Fog Driving Assistant : System designed to help drivers navigate safely in foggy conditions

Smart Card : Smart card application to identify the owner (JavaCard,ISO 7816)

Embedded Linux : Creating a Linux image For the Raspberry Pi4(Yocto-Project)

lSTM Autoencoder seq2seq : Neural Network that reconstructs sequential data using long short-term memory cells.(Python, TenrosFlow)

IEEE R8 Initiative (2nd Prize Winner) Android Application to track Healthy Habits

Experiences

ONEE-Branche Eau	Internship
2021 - 2022	2 months of academic internship where I've learned: Microsoft SQL Server, Linux System Administration, Linux Server

Education

National School of Applied Science, Fez	State Engineer Diploma
Embedded Systems & Industrial Computing	2019 - 2024