

Mohammed ayoub Aggab

Microelectronics and IC Design
Engineer with a Master's in
Telecommunications



Personal details

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Skills

- Cadence virtuoso ●●●●●
- Analog ic design implementation and verification ●●●●●
- Analog-Mixed Signal Design Modeling ●●●●●
- Onboarding ●●●●●
- Circuit simulation (P Spice, LTSpice, Simmetrix) ●●●●●
- Microsoft Office ●●●●●
- SILVACO TCAD ●●●●●
- ISE design suite ●●●●●
- Leadership (Chef département, Délégué de Section et Promotion) ●●●●●

Profile

Graduated engineer in microelectronics and integrated circuit design (IC Design) from the National School of Renewable Energy, Environment and Sustainable Development, I also hold a Master's degree in Telecommunications.

I am passionate about integrated circuit design and innovative technologies. My academic background has allowed me to develop strong technical skills in analog and digital electronics, VLSI design, as well as programming in VHDL, Python, and C, and the use of specialized software such as Cadence, MATLAB, and PSPICE.

Education

- Engineering Degree in Microelectronics and Integrated Circuit Design** Sep 2022 - Jul 2025
National Higher School of Renewable Energies in Batna (Algeria), Batna
Engineering background in the design of analog, digital, and mixed-signal integrated circuits, combined with a Master's degree in Telecommunications.
- Preparatory Classes** Oct 2020 - Jul 2022
Higher School of Applied Sciences of Tlemcen, Tlemcen
- Scientific Baccalaureate** Sep 2017 - Sep 2020
Lycée Ibn Tofail, Tlemcen

With Honors

Employment

- Intern Engineer – Polycrystalline Solar Cell Manufacturing** Jan 2024 - Jan 2024
Research Center for Semiconductor Technology for Energy, Alger algerie
Internship in Polycrystalline Solar Cell Manufacturing
- Engineering Intern – Photovoltaic Panel Production Line** Dec 2022 - Dec 2022
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Internship on the Photovoltaic Panel Production Line

Compétences de communication 

xilinx 

C 

C++ 

Matlab 

VHDL 

Languages

Arabic 

French 

English 

Hobbies

-  Circuit Design
-  Electronics Hobbyist
-  Solar Energy Projects
-  Cycling
-  Lecture