



# Mohammed BENOUAR

Embedded Systems Engineer

📍 1044 LOT BELOUALADI AMARNAS | 📞 +213774814578 | ✉ [moh@medbnr.com](mailto:moh@medbnr.com) | 🔗 [Https://medbnr.com](https://medbnr.com) |  
✔ Successful completion of national service | 🚗 Driving license class B

## Profiles

 [benouarmohammed](#)

 [mohbnr](#)

[BENOUARMohamed](#)  
GitHub

## Summary

Embedded systems electronics engineer with solid expertise in Python programming. Experienced in the design, development and deployment of embedded systems for various industrial applications. Advanced skills in electronic circuit design, low level programming like (C,C++,java) and complex problem solving. Strong ability to work in a team and manage projects independently.

## Experience

### Embedded systems engineer intern (CITAL SPA)

- Proposal of a real-time control solution for traffic lights and the tram for the high-density C301 intersection.
- Management of the maintenance of the maintenance center and tram line infrastructures, including stations, intersections, electrical substations and SIG F zones.

### Electrical Maintenance Internship (Société des Ciments de Zahana)

- Servicing and maintenance of AC electrical machines.
- Work on communication protocols.
- Maintenance and wiring of electrical cabinets.

### HASNAOUI GYPSUM PANEL

Maintenance Engineer 03/02/2025 - 06/02/2025  
sidi bel abbes, algeria

 <https://www.hgp-dz.com/>

- Automation Systems: Expertise in PLC programming, HMI (Human-Machine Interface), and SCADA systems.
- Troubleshooting: Skilled in diagnosing and resolving issues in automated systems to minimize production interruptions.
- Upgrades and Optimization: Implemented automation upgrades that improved production.
- Industry Standards: Familiar with ISO, OSHA, and other regulatory requirements for automated systems.

## Education

**Djillali Liabes University of Sidi Bel Abbes, Algeria** 09/06/2021 - 07/10/2023  
embedded systems Master of Science - MS

startup theme Development of a new infrastructure for intelligent road traffic management

**Djillali Liabes University of Sidi Bel Abbes, Algeria** 09/01/2018 - 07/15/2021  
Electrical and electronic engineering Bachelor of Science - BS

## Projects


**Development of a new infrastructure for intelligent road traffic management** 01/01/2023  
A contracting house located at Djilali Al-Yabis University, Sidi Bel Abbes, Algeria.

## Skills


<b>Programming language:</b> python, java, css, c++, assembleur, react, javaScript	<b>OS(Operating System) :</b> Windows, Linux
<b>Simulation Tools:</b> TIA-Portal, LabView, Matlab	<b>Electronic CAD Design:</b> proteus, PCB, Altium
<b>MCU IDE debugging:</b> Visual Studio, Matlab, Arduino, Eclipse, MPLAB X	<b>Others:</b> relpython AI, IoT, Real-Time Systems,Hardware-Software Integration.

## Certifications

**Fundamentals of Deep Learning** 11/12/2022  
NVIDIA

 <https://courses.nvidia.com/certificates/bb284efe6de4435a9babb88a2a6b9b06/>

**Introduction to Python** 08/06/2023  
sololearn

 <https://www.sololearn.com/certificates/CC-OSCALKZP>

## Languages

<b>Arabic</b> Native or Bilingual	<b>french</b> Good	<b>English</b> Good
--------------------------------------	-----------------------	------------------------