

# Abdessamed Yousfi

Electrical Engineer

Elbayadh, Algeria

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## Professional Summary

Motivated electrical engineer with a Master's certificate in Electrical Machines and strong skills in web development, VR environments, and 3D design using Blender. Passionate about applying technology to create engaging digital solutions and contribute to sustainable energy projects. Eager to collaborate on innovative, impact engineering and digital initiatives.

## Work Experience

**VR Developer & Freelance Web/App Developer** 2025  
Personal Project – Rectangular VR Rooms App, Elbayadh, Algeria

- Developed a virtual reality experience that simulates rectangular rooms using WebXR and A-Frame.
- Designed 3D assets in Blender for immersive interaction.

## Education

**Master's Degree in Electrical Engineering** 2020 – 2025  
Elbayadh University Center, Algeria

- Specialized in Electrical Engineering.
- Graduated with the Best Outstanding Graduate Project Award and a perfect score of 20/20.
- Five stars student.
- Relevant coursework: Electrical machines.

## Skills

### Technical Skills:

HTML, CSS, JavaScript, Python, C#, OpenXR, Blender, Electrical Systems & Machines, Arduino, Embedded Systems, Git / GitHub.

### Soft Skills:

Problem Solving, Creativity, Communication, Self-learning, Team Collaboration.

## Languages

Arabic (Native), English (Fluent), French (Intermediate).

## Certifications & Training

- Self-Paced Web Development Training (HTML, CSS, JavaScript) – W3Schools.
- VR & 3D Design Learning Path (OpenXR, Blender, Video/Sound editing) - Independent study.
- Git & GitHub Basics – Personal Practice & Online Resources.
- Five weeks online course on the Internet of Things and Arduino programming.
- Internship in the Sonatrach distribution establishment for 15 days in April 2023.
- The five-star student certificate was presented by El Bayadh University Center, Algeria.
- Certificate of Best Innovative Project for the 2024/2025 academic year, according to Ministerial Resolution No. 1275.

## Projects

### **Virtual Reality Room Experience demo App**

2025

Developed a demo VR app that simulates rectangular rooms with OpenXR. Designed immersive 3D assets using Blender. Developed interactive UI and scene switching for standalone VR.

### **Electrical VR LAB App**

2025

Developed a virtual reality application that simulates physical laboratory with OpenXR. Designed immersive 3D assets using Blender. Developed interactive UI and active standalone VR interactive workstations for master's graduation project.

### **Personal Portfolio Website**

2025

Built a portfolio site showcasing projects and skills using HTML, CSS, and JavaScript. GitHub integration for project hosting and version control.

## Publications

### **Memoirs of a Stranger**

2020

Author, Self-published by Noqta Book for Publishing and Distribution. A collection of philosophical texts exploring identity, existence, perception, and introspection. Written to encourage open-ended reflection.