

Muaz Mohamed

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[LinkedIn](#) | [GitHub](#)

Education

Sudanese High School Certificate

Graduation Year: 2025 | Grade: **90.9%**

Technical Skills

- Programming Languages: Python, C++, VHDL, pyhdl
- Artificial Intelligence: PyTorch, TensorFlow, Keras, OpenCV, Hugging Face
- Web Development: HTML, CSS, JavaScript, Flask, SQLAlchemy, Flask-Login
- Simulation & Embedded Systems: Webots, Arduino (Wokwi, Tinkercad, Multisim...)
- Signal Processing, MATLAB

Practical Experience

- Cross-cultural competence through living and working in Saudi Arabia, UAE, and Eritrea
- Founded and managed soap manufacturing during wartime – full production and distribution chain
- Managed small-scale food production (cheese, sweets) with hygiene and local distribution
- Ran a neighborhood shop during the COVID-19 pandemic – adapted to changing market needs

Selected Projects

- **Social-media-app:** Social platform with AI-powered features
- **AI-chatbot:** Smart chatbot powered by Google Gemini for problem-solving
- **Logical-gates:** VHDL-based digital logic simulator
- **Raja-bin-hioa:** AI assistant for generating circuit schematics
- **Super-market-app:** Python-based application for retail management
- **Arduino Projects:** Various projects documented on LinkedIn

Certifications & Courses

- DeepLearning.AI: LLM Pretraining, Stable Diffusion, Multimodal RAG
- M3AARF.COM: TensorFlow, Deep Learning, Python, Chatbot Development, Service Marketing
- Teracourses: Python, Robotics Fundamentals
- YouTube: Diploma in Electronics + ICDL (self-taught)

Languages

- Arabic: Native
- English: Advanced
- German: A1

Additional Activities & Interests

- Developer of a simplified programming language: pyhdl
- Created a book website with 1500 daily visitors
- Deputy manager of a programming Telegram channel with 1300+ subscribers
- Self-learning in physics, electronics, robotics, and quantum science