

CONTACT

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Portfolio : <https://www.linkedin.com/in/aya-abid-ghozy-ba4139285/>

SKILLS

- Programming & Development: C, C++, Python, Java, JavaScript (React, Node.js), Dart/Flutter. Expertise in web and mobile programming (front-end: React, Angular; back-end: Node.js, MongoDB, Firebase).
- Embedded Systems: Arduino, ESP32, ESP8266, VHDL, System on Chip (SoC) technologies.
- Algorithm Design: Algorithmic complexity, data structures (trees, graphs, hash tables), and recursive problem-solving.
- Networking & Systems: LAN/WLAN, IoT wireless technologies, Ethernet, OSI models, CAN, Profibus protocols. Operating systems experience: Windows, Unix, memory management, virtualization.
- IoT Platforms: IoT architecture, device-to-cloud communication, and big data integration.
- Data Science & AI: TensorFlow, PyTorch, OpenCV, and real-time big data preprocessing and analysis.
- Engineering: Digital design (Boolean logic, combinational/sequential circuits, logic optimization) and signal processing (Fourier transforms, frequency analysis, digital filters).
- Project Management & Communication: Agile methodologies, professional documentation, and business planning.

INTERNSHIPS

- Intern, Flesk – Monastir(Aug 2024 — Sep 2024)
Flesk AI – Facial Recognition System:
Built a real-time facial recognition system using React, TensorFlow, OpenCV, and PyTorch..
- Intern, Tn Smart IoT – Sfax (Jun 2024 — Jul 2024)
Remote Management System:
Developed web and mobile applications for stadium management using Angular, Flutter, Firebase, and ESP8266

EDUCATION

- Sep 2022 — Jun 2024

 - Higher Institute of Computer Science and Communication Technologies (ISITCOM), Tunisia, Sousse
Bachelor's Degree in Computer Engineering, specializing in IoT (Internet of Things).
- Sep 2021— Jun 2022

 - Said Boubaker Moknine High School, Tunisia
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PROJECTS

- Website for Fast Food Ordering (Speedy Bites) (2024):
Created a dynamic web app with React, Node.js, and MongoDB, featuring real-time tracking and stock management.
- Mobile Application for T-Shirt Design (2023):
Designed an app in Java/XML supporting custom T-shirt orders for humanitarian initiatives.

LANGUAGES AND CERTIFICATIONS

- Languages: Arabic (Native), French, English, Spanish (Advanced).
- Certifications: Cisco CCNA/CCNP, ISTQB, Culture and Digital Literacy (2CN).

ACHIEVEMENTS

- 1st Place Winner, IEEE RoboNerds Robotics Competition (2023).
- Technical Manager, ISITCOM Google Club.
- Member, IEEE (Institute of Electrical and Electronics Engineers).