



# Aya Abid Ghozy

**Date of birth:** 27/08/2003 | **Nationality:** Tunisian | **Gender:** Female |

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(Home)

## ABOUT ME

As a dedicated IoT Engineering student, I bring a blend of passion and expertise to the table. My comprehensive understanding of IoT fundamentals, embedded systems, and wireless communication protocols, coupled with proficiency in C/C++, Python, and Java programming languages, underscores my technical prowess. I have honed my skills through hands-on experience with IoT platforms like Arduino, fostering a keen eye for detail in project execution. Eager to channel my expertise and ingenuity towards impactful IoT endeavors, I am driven by a strong desire to effect positive change in society. With a fervent commitment to continuous learning and collaboration, I am poised to remain at the forefront of IoT advancements, driving meaningful progress in the field.

## EDUCATION AND TRAINING

15/11/2021 – 28/06/2022 Monestir, Tunisia

**MATHEMATICS BACCALAUREATE WITH SATISFACTORY NOTE** high school said boubaker Moknine Monestir Tunisia

CURRENT sousse, Tunisia

**IOT ENGINEERING STUDENT** higher institute of computer science and communication technology sousse tunisia (ISITCOM)

## LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

|                | UNDERSTANDING |         | SPEAKING          |                    | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
|                | Listening     | Reading | Spoken production | Spoken interaction |         |
| <b>FRENCH</b>  | C2            | C2      | C2                | C2                 | C2      |
| <b>ENGLISH</b> | C2            | C2      | C2                | C2                 | C2      |
| <b>SPANISH</b> | A2            | A2      | A2                | A2                 | A2      |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ADDITIONAL INFORMATION

### TECHNICAL SKILLS

**Algorithms :**

A passion for designing and optimizing solutions for complex computational problems.

**software design methodology :**

Proficient in utilizing UML for software system modeling, creating various diagrams for design representation, and effectively communicating software requirements and architecture.

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### Frontend Development Skills:

Proficient in crafting visually appealing and functional web solutions using HTML, CSS, and JavaScript, with expertise in responsive design and troubleshooting for optimal performance across browsers and devices.

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### Programming Languages :

Proficient in Java and Python for versatile application development, and skilled in C/C++ for high-performance software development and embedded systems, focusing on low-level system programming and optimization techniques.

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### IoT Platforms & Programming :

Proficient in Arduino programming for IoT projects, specializing in sensor interfacing, data collection, and actuator control. Experienced in VHDL for FPGA development and familiar with ARM-based SoC architectures for embedded systems and IoT applications.

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### Networks:

Proficient in LAN design and management with Ethernet, Wi-Fi, VLANs; skilled in WAN establishment using MPLS, VPN, leased lines; holds Cisco CCNA and CCNP certifications.

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### Security Knowledge:

Proficient in asymmetric cryptographic systems and digital signature methods. • Basic understanding of security principles including investigation techniques and security attacks.

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### ISTQB Certified (International Software Testing Qualifications Board)

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### Culture and Digital Literacy :

Certification in the Culture and Digital Literacy (2CN)

## NETWORKS AND MEMBERSHIPS

**Technical Manager of the ISITCOM Google Club (Higher Institute of Computer Science and Communication Technology, Sousse, Tunisia).** Led workshops on frontend, backend development, AI, and MongoDB, fostering collaboration with universities to host events enhancing students' skills. Organized JavaScript, Node.js workshops, managed training, and participated in industry challenges, contributing to club's mission since 2018.

**Link** <https://www.instagram.com/isitcomgoogleclub/>

**Member, IEEE (Institute of Electrical and Electronics Engineers)** Engaged in IEEE events to stay current on electrical engineering and computer science advancements, fostering connections through networking and knowledge-sharing.

## PROJECTS

**Website for Fast Food Ordering :** Created a mobile app for fast food ordering, integrating real-time order tracking, push notifications, and backend systems for seamless user experience and efficient operations.

**Website for Song Quiz :** Developed a song quiz game website featuring song previews, multiple-choice questions, and scoring, leveraging HTML/CSS, JavaScript, and Spotify integration for cross-device engagement.s.

**Frontend Development (Gaming Website):** Led frontend development for a gaming website, crafting captivating user interfaces and immersive experiences. Utilized HTML, CSS, and JavaScript to design dynamic, responsive frontend components.

**Line-Following Robot :** Led the design, construction, and programming of a first-place line-following robot prototype, showcasing expertise in robotics, electronics, and programming.

**Link** <https://www.instagram.com/reel/Cld3YBEoOxz/?igsh=b3FmejRjeXM2OGVn>