



# SOUHAIB BENABDALLAH

JUNIOR FULL STACK DEVELOPER & AI ENGINEER

0672008426 | [sohaibben52@gmail.com](mailto:sohaibben52@gmail.com) | [LinkedIn](#) | [GitHub](#) | Algeria, Alger, Sidi Abdallah

 [www.souhaibbenabdallah.me](http://www.souhaibbenabdallah.me)



## PROFESSIONAL SUMMARY

Multidisciplinary developer combining full stack development, AI engineering, and UI/UX design to build smart, user-focused web and mobile experiences. Skilled in Next.js, React Native for developing modern applications, with hands-on experience creating and integrating AI models for audio engines such as text-to-speech (TTS) systems and LLM-powered chatbots. Adept in designing intuitive interfaces and user flows, ensuring a seamless blend between technical functionality and engaging user experience. Passionate about building complete, intelligent digital solutions from backend logic to polished front-end design.



## WORK EXPERIENCE

**Intern | Synthiya – South korea** | March 2025 - June 2025

Contributed to the development of a multilingual, emotion-aware Text-to-Speech (TTS) engine designed for audiobook narration.

- Helped create and fine-tune a TTS model that supports 5 languages: Arabic, English, Korean, French, Spanish, and German (Deutsch).
- Worked on embedding emotional tone into synthetic speech to enhance listener engagement and storytelling realism.
- Participated in data preprocessing, voice dataset alignment, and neural model training.
- Collaborated with a cross-functional team of AI engineers and UI/UX designers to integrate the model into a functional platform.
- Gained hands-on experience in speech synthesis, deep learning, and multilingual model development.

**Intern | White Bay LimitedMay** | july 2024 - september 2024

Contributed to two key projects as part of a multidisciplinary internship:

- LLM-Powered Chatbot – UI/UX Design
- Designed intuitive user flows and interfaces for a chatbot powered by Large Language Models (LLMs), ensuring a smooth conversational experience and accessible design for end users.
- Frontend Developer – Luxury Home Décor E-commerce
- Developed the frontend of an online store selling luxury home décor items using Next.js. Focused on creating an elegant, responsive design that reflects the high-end nature of the products, with attention to performance and user experience.



## EXPERIENCE

**Founder - President | NIT Computer Society Club** | july 2024 - september 2025

Led the organization of 9+ large-scale tech events, including hackathons, ideathons, CTFs, design competitions, and technical challenges — each attracting over 100 participants.

- Elevate – Organized a national UI/UX design competition, bringing together creative minds to solve real-world design problems.
- Enigma – Hosted an ideathon and startup exchange platform, fostering innovation and entrepreneurship.
- NCS Hack – Managed a 3-day hackathon with 100+ participants, featuring workshops, mentoring sessions, and final demos.
- COF (Clash of Flags) – Led a competitive CTF (Capture the Flag) focused on ethical hacking and cybersecurity skills.
- Arena Challenge 1 & 2 – Executed two editions of high-energy coding and AI challenges, promoting algorithmic and real-time problem-solving.
- Ignite – Curated a blended startup expo and ideathon, connecting aspiring founders with mentors and judges in a dynamic competition format.





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## LANGUAGES

- Arabic: Native
- English: Fluent
- French: Intermediate



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## INTERESTS

- Ecommerce
- Volunteer Work
- Competition ( Hackathon , Ideathon )
- Startup Culture & Innovation
- Tech Communities & Events
- Developing dev projects



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## AWARDS

- 2 nd place winner among +18 teams in a 4-day national hackathon called Tatweer,hosted by Micro Club.
- 3 place team in the Ideatech ideathon competition among 15 teams.
- Awarded 2nd Place – Excellence Student Recognition