

SOUHAIB BENABDALLAH

JUNIOR FULL STACK DEVELOPER & AI ENGINEER

0672008426 | sohaibben52@gmail.com | <u>LinkedIn</u> | <u>GitHub</u> | Algeria, Alger, Sidi Abdallah www.souhaibbenabdallah.me



PROFESSIONAL SUMMARY

Multidisciplinary developer combining full stack development, Al 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 Al 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 Al 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.

- Directed a team of 20+ club members, overseeing logistics, partnerships, speaker outreach, and event branding.
- Managed and guided frontend teams to build event landing pages for Enigma, NCS Hack, and others using React and modern UI libraries.
- Organized technical bootcamps in AI, Web & Mobile Development, and Git/GitHub, each attended by over 100
 participants.

Member | Google Developer Group club | july 2024 - january 2025

- Developed the official website for Ghack 2024 as part of the web development team, ensuring responsive design and smooth user experience.
- Contributed to the UI/UX design of a member management system, focusing on usability, clean interface design, and user flow optimization.
- Tools used: Canva, Figma, Jira for planning, documentation, and team coordination.



EDUCATION

Bachelor (Licence) in Autonomous Systems and Embedded Ambientand mobile software | Numidia Institute of Technology

Oct 2024 - June 2025

- Developed a smart Mirror system using IoT and AI for my final project.
- Studied Embedded system STM32 and programming microcontrollers in C language.
- Studied Computer vision OpenCV, and NoSQL database MangoDB.
- Studied Machine, Deep learning and mobile Dev in FlutterBachelor.

Computer Science | Numidia Institute of Technology

Sep 2022 - June 2025

- Studied Computer architecture, Information systems and Object Oriented programming.
- Studied Networking and Network Protocols and obtained my CCNA Certificate.
- Studied Web development and MySQL database.

Baccalaureate in Maths | Cherif Mohamed Ben Chabira

Seb 2019 - June 2022

· Passing Grade: 13.96



SOFT SKILLS

- Leadership
- Problem Solving
- Effective Time Management
- Public Speaking

SOFTWARE

- Visual Studio Code
- Visual Studio
- STM32CudeIDE
- Postman
- Git & GitHub
- Docker
- Figma

- Figma
- Canva
- Notion
- Jira
- Adobe Photoshop
- Adobe illustrator
- Adobe premiere pro
- CAPCUT

HARD SKILLS

Al & Machine Learning:

YOLOv8, LangChain, Huggingface LLMs, Computer Vision (OpenCV), DeepLearning (TensorFlow, PyTorch)

Web Development:

React.js,TypeScript, Next.js, TailwindCSS,Node.js, Express.js

Database Management:

MySQL,MongoDB

Embedded Systems:

STM32, C Programming



LANGUAGES

Arabic: NativeEnglish: Fluent

French: Intermediate



INTERESTS

- Ecommerce
- Volunteer Work
- Competition (Hackathon , Ideathon)

- Startup Culture & Innovation
- Tech Communities & Events
- Developing dev projects



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