

AYMEN BEN SALEM

Sousse, Tunisia

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SUMMARY

Software Engineer specializing in Next.js and AI automation with a Master's research background in Intelligent Pervasive Systems. Proven track record in building scalable web systems and winning hackathons. Dedicated to creating efficient, intelligent solutions using modern frameworks like React and AI tools.

EXPERIENCE

Sotupub <i>Software Engineering Intern</i>	Sousse, Tunisia 2025 (6 Months)
<ul style="list-style-type: none">- Designed and implemented "Conv-Ai," an intelligent customer engagement platform using Next.js and Scrum, featuring an embeddable AI chatbot that interacts with visitors using business-specific knowledge bases (files/URLs).- Leveraged RAG-based AI to automate lead qualification via customizable questions, capture user emails, and efficiently direct prospects to appointment booking or live support agents.- Engineered a comprehensive administrative dashboard for domain management, chatbot customization, live interaction tracking, and basic email marketing functionality.	

EDUCATION

ISSAT Sousse <i>Master's in Intelligent Pervasive Systems (Research)</i>	Sousse, Tunisia Current
<ul style="list-style-type: none">- Specialization: Artificial Intelligence and Internet of Things (IoT).	
ISSAT Sousse <i>Bachelor's in Computer Science (Software Engineering)</i>	Sousse, Tunisia 2022 - 2025
Lycée Farhat Hached M'saken <i>High School Diploma in Computer Science (Mention Bien)</i>	Sousse, Tunisia 2021 - 2022

PROJECTS

Hotel Management Dashboard <i>React, TanStack Query, Supabase</i>	
<ul style="list-style-type: none">- Developed a React-based app for hotel staff to manage operations, including room assignments, guest profiles, and staff schedules.- Utilized TanStack Query for data fetching, Styled Components for modular design, and Supabase for real-time database management.	
Hotel Booking Web App <i>Next.js, Tailwind CSS, Supabase</i>	
<ul style="list-style-type: none">- Built a customer-facing web app for browsing available cabins, booking stays, and managing reservations.- Designed a responsive and user-friendly interface with Next.js and Tailwind CSS, and integrated with Supabase for real-time data updates and user authentication.	
Personal Portfolio <i>Next.js, Gemini AI, RAG</i>	
<ul style="list-style-type: none">- Developed a modern portfolio site using Next.js and Tailwind CSS, incorporating advanced animations via GSAP.- Integrated a Gemini AI wrapper with Retrieval-Augmented Generation (RAG) to provide intelligent, context-aware answers about professional background.	

Zentry Mini Clone | *React, GSAP, Tailwind CSS*

- Built a scaled-down recreation of the award-winning Zentry website, featuring smooth animations and immersive visuals.
- Implemented refined UI/UX designs inspired by an Awwwards Site of the Month, ensuring high responsiveness and aesthetic appeal.

ACHIEVEMENTS

Hackathon Winner - Hackwarts 2.0 <i>Google Club at ISSATSo</i>	December 2024
<ul style="list-style-type: none">- Played a key role in creating cq_dashboard, an intelligent system that enhanced customer feedback processes by leveraging AI for improved efficiency and accuracy.- Contributed to delivering a seamless user experience by building a responsive and modern front-end interface using Next.js, TypeScript, Tailwind CSS, and ShadCN.- Facilitated the successful integration of advanced AI-powered features by collaborating with the backend team to implement APIs, including Azure OpenAI and an Email API.- Helped the team secure first place for innovation and functionality, as recognized by industry professionals.	

CERTIFICATES

Certificate of Participation – Hackwarts 2.0 <i>GDGOC ISSATSo</i>	December 2024
<ul style="list-style-type: none">- Recognized for active participation in workshops, hackathon activities, and collaborative efforts during the event.	
The Ultimate React Course 2024 <i>Udemy</i>	April 2024
<ul style="list-style-type: none">- Completed an in-depth course covering React, Next.js, TanStack, Redux, and modern web development practices.	
The Complete JavaScript Course 2024 <i>Udemy</i>	April 2024
<ul style="list-style-type: none">- Mastered JavaScript fundamentals, advanced concepts, and modern practices for building scalable applications.	

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, SQL, MySQL
Web Development: Next.js, React, Tailwind CSS, GSAP
Backend & Database: PostgreSQL, Supabase, Prisma, Neon DB, Appwrite, Sanity
AI & Tools: Google AI SDK, n8n (Automation), Git, GitHub