

# AHMED BEN YAHIA

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AI & Automation Engineer — RAG Systems — LLM Pipelines — Full Stack

+216 50 193 344 ♦ Sfax, Tunisia

## OBJECTIVE

AI & Automation Engineer with 2+ years building production-grade RAG systems, LLM-powered chatbots, and scalable workflow automation. Specialized in Next.js, Python, Node.js, n8n, and vector databases to automate customer support, lead generation, and SaaS operations with 70%+ efficiency gains. Experienced shipping AI products used by thousands of users across e-commerce, SaaS, and B2B platforms.

## SKILLS

<b>Programming Languages</b>	JavaScript, TypeScript, Python, Java, SQL
<b>AI &amp; Machine Learning</b>	LLMs (GPT, Claude, Gemini), RAG Systems, LangChain, Vector Databases
<b>Frontend</b>	React.js, Next.js, Tailwind CSS, Shadcn-UI, Material-UI
<b>Backend</b>	Node.js, Express.js, Nest.js, Spring Boot
<b>Automation &amp; Integration</b>	n8n, Zapier, API Integration, Webhooks, Web Scraping, RPA, Firecrawl, Chatwoot
<b>Databases</b>	MongoDB, PostgreSQL, MySQL, Supabase
<b>Cloud &amp; DevOps</b>	Docker, Git, GitHub Actions, CI/CD, Vercel

## EXPERIENCE

<b>AI Automation Engineer</b>	Nov 2025 – Present
Lean Orchester	<i>Remote</i>

- Built production RAG pipeline for Minisport.hk with automated document ingestion, embedding generation, and conversational retrieval, reducing support queries by 60%.
- Engineered enterprise chatbot for Iprint handling 500+ daily queries with integrated Stripe payments, automated scheduling, and FAQ resolution via Chatwoot, improving response time by 45%.
- Converted chatbot into Voice AI Agent using ElevenLabs, enabling natural language voice interactions for expanded accessibility.
- Created RAG-powered support system for Bookielink by scraping LiveChat data, embedding 5K+ Q&A pairs in vector database, achieving 85% accuracy and reducing tickets by 70%.
- Built lead enrichment automation using Apollo API, LLMs, and web scraping to collect company data and decision makers for sales pipeline generation.
- Developed AI-powered scraping systems for Upwork, GitHub, and Indeed to generate company profiles and match candidates to jobs, syncing to CRMs and reducing screening time by 80%.
- Automated ServiceM8 reporting pipeline extracting jobs, technician KPIs, and revenue metrics, saving 15 hours/week of manual work.
- Built browser automation for FindMyEmail to upload CSVs, trigger enrichment jobs, and collect results automatically.
- Created scalable video generation pipelines with AI narration and automated captioning, producing 10+ videos/month from GitHub repos and reaction content.
- Built ConvertKit-Twilio SMS campaign system with Next.js dashboard delivering messages to 10K+ subscribers with 98% deliverability.
- Designed business intelligence dashboard for OlalaHomes displaying daily reports, KPIs, and operational metrics with real-time updates.

<b>Full Stack Developer Intern</b>	Feb 2024 – May 2024
Aziin Engineering Solutions	<i>Hybrid, Sfax, Tunisia</i>

- Architected e-learning SaaS platform serving 1,000+ users with live video (Agora), real-time chat, and AI adaptive learning, boosting engagement by 35%.
- Implemented JWT/OAuth2 authentication with RBAC ensuring SOC-2 compliance and integrated Stripe processing \$2k+ monthly transactions.
- Developed AI exam generator using GPT-4 with auto-grading, reducing instructor workload by 40% for 500+ students.
- Built RAG chatbot answering 3K+ queries monthly with 80% accuracy and designed admin dashboard with analytics and KPI monitoring.
- Optimized performance with zustand state management and code splitting, achieving 40% faster loads

### Full Stack Developer Intern

Jul 2024 – Aug 2024

Grow Up Agency

*Remote*

- Developed CRUD functionalities and secure authentication for healthcare management system, improving operational efficiency by 30%.
- Implemented automated email/SMS notifications using Node.js, SMTP, and Twilio with real-time dashboards using Recharts.

### Frontend Developer Intern

Jul 2023 – Aug 2023

Novel-Ti

*Sfax, Tunisia*

- Designed responsive UI for NFC-based traceability system, improving performance and reducing page load time by 20%.

## PROJECTS

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### LeadFlow – B2B Lead Generation System — n8n, Firecrawl, SerpAPI, LinkedIn/Google Maps APIs

Multi-source lead enrichment pipeline scraping Google Maps, extracting website data, identifying C-level executives, and matching prospects with Upwork jobs. Generates 500+ qualified leads monthly with 85% accuracy.

### LinkedIn Content Automation — n8n, OpenAI API, LinkedIn API

AI-powered content generation system creating and posting LinkedIn content daily with GPT-4, hashtag optimization, and scheduling.

### Postily – Social Media SaaS — Next.js, MongoDB, OpenAI, Stripe

AI content generation, multi-platform scheduling, and analytics dashboard supporting 5+ social platforms.

### APIspark – No-Code API Builder — Next.js, Node.js, Prisma, PostgreSQL

Visual API builder with AI-generated code, auto schema creation, and Swagger docs. Reduces development time by 70%.

## EDUCATION

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### Bachelor of Computer Science

2022 – 2025

Higher Institute of Computer Science and Multimedia of Sfax (HIOCSMS)

*Sfax, Tunisia*

## LANGUAGES

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English – Fluent

French – Fluent

Arabic – Native