AHMED TAMER EL SAYED MOHAMED

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PROFILE

AI Engineering and MLOps-focused Computer Engineering student (GUC) and AWS Certified Solutions Architect Associate. Experienced in building scalable backend systems, AI-driven applications, and cloud architectures. Currently specializing in Artificial Intelligence, Large Language Model (LLM) orchestration, and MLOps methodologies to deliver production-ready intelligent solutions.

EXPERIENCE

Software Engineer August 2026 – Present
Forsa Property (Part-Time)

- Shipped 18 search and discovery features on forsaprop.com, a live real-estate platform, plus a 6-API SEO and analytics integration layer (React, Node.js, TypeScript, Prisma).
- Responsible for deploying the Forsa Property and Forsa CRM apps to the App Store, with push notifications (Xcode, TestFlight).

AI Engineering Intern July 2026 – Present
AIXRA Lab (Part-Time)

- Built a video-to-Arabic data pipeline (Whisper, NLLB-200, Claude API) with a 4-layer LLM validation cascade, yielding 57 validated records from 84 documentary videos.
- Engineered a RAG system over 16K+ chunks (ChromaDB, Groq) that cut cost per answer by 73% at 95% of baseline accuracy using open-source gpt-oss-120b; deployed as a voice kiosk on Modal.

User Acceptance Testing Intern July 2026
BankNXT

- Translated business requirements into structured UAT scenarios via Change Request reviews, gaining hands-on exposure to Temenos T24, the bank's core banking system.

Full-Stack Engineering Intern February 2026
Multi-Level Group (MLG)

- Cloud AI: Built an automated KYC pipeline with AWS Rekognition and custom OCR to validate Egyptian IDs against live selfies.
- Full-Stack Architecture: Architected the "Autousata" marketplace (React.js, Node.js, Oracle PL/SQL) with JWT auth and S3 multipart uploads.

Digital Demand & Solutions Intern January 2026
Orange Egypt

- Engineered a full-stack iOS app (SwiftUI, Node.js, AWS S3) with secure JWT authentication and dynamic remote configuration, while contributing to Agile sprint planning for seasonal feature releases.

PROJECTS

Freelance Projects 2025 – Present
Self-Employed — Full-Stack, Automation and System Architecture

- **Beyond Staff Portal:** secure enterprise platform with staff scheduling, ATS pipelines, and a payroll/RBAC system with automated pay-grade calculations and Excel ledger exports.
- **Beyond Egypt Camps Platform** (beyond-egypt.com): led a second engineer to deliver camp registration, online payments and an admin CRM that publishes to the public site (Next.js, Supabase).
- **Al Rehla** (rehla-olive.vercel.app): multiplayer leadership simulation with a real-time leaderboard and live admin session controls (Next.js, Supabase Realtime).
- **Beyond EG Automations:** AI-powered WhatsApp/Instagram auto-replies, incident reporting and comment-triggered DMs (n8n, Meta Graph API).
- **Momentum Football:** redesigned a bare-bones prototype into a corporate-ready pitch interface (Next.js 14, Tailwind, Framer Motion, Spline 3D).

Intelligent SRE Assistant (ISREA) In Progress
Python, LangChain, MCP, Docker, AWS: Bedrock, Lambda, API Gateway, Parameter Store, CloudWatch

- Developing an SRE assistant using LangChain (MCP client) and AWS Bedrock, with MCP servers deployed as serverless Lambda functions, targeting a 30% reduction in Mean Time to Resolution (MTTR).

AWS Architecture Projects
AWS (S3, CloudFront, EC2, VPC, RDS, Lambda, API Gateway)

- Static Website Hosting (ahmed-tamer.me): Hosted a highly available personal portfolio using S3, secured with ACM SSL certificates and WAF, and distributed globally via CloudFront.
- Three-Tier Web Application: Architected a secure, scalable environment across multiple Availability Zones, implementing Auto Scaling Groups and Elastic Load Balancing.

EDUCATION

German University in Cairo (GUC)
B.Sc. Media Engineering & Technology (Computer Engineering)

British Ramses School
IGCSE System

CERTIFICATIONS

- Certified AWS Solutions Architect Associate (Issued 2025)
- Docker Mastery: Containerizing applications and managing multi-container environments (2025)
- LangChain Academy: Intro to MCP

TECHNICAL SKILLS

- **AI, Cloud & DevOps:** AWS (Bedrock, Lambda, S3, CloudFront, EC2, VPC, RDS), Docker, Kubernetes, Git, CI/CD, LangChain, MCP, RAG, LLM Orchestration, ChromaDB, Modal, AWS Rekognition
- **Languages:** Java, Python, Swift, SQL, JavaScript, VHDL, C++, Haskell
- **Backend & Tools:** Node.js, Express, React.js, Next.js, TypeScript, Prisma, Supabase, Tailwind CSS, n8n, Capacitor, SwiftUI, MongoDB, SQL Server, Oracle DB
- **Security:** JWT Auth, Helmet.js, Rate Limiting, Middleware Design, IAM
- **Spoken Languages:** Arabic (Native), English (Fluent), German (Intermediate)