

Yaseen A. Naser

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EDUCATION

Nasser Centre for Science and Technology

Advanced Information Technology Program – Artificial Intelligence major

- GPA: 98.26%

Jaw, Bahrain

Graduated June 2026

River High School

Kennedy-Lugar Youth Exchange and Study (YES) Program

- GPA: 4.00

Hannibal, OH

Graduated May 2026

PROJECTS

Transcend – Real-Time Transcription & Translation | React, Node.js, Express, Socket.io, Groq Whisper, DeepL May 2026

- Hardened the backend of a near real-time speech translation app (30 languages) within NCST's virtual on-job training: implemented per-socket rate limiting, an idempotency cache preventing duplicate translation-API billing, and retry logic with exponential backoff and timeouts.
- Owned the frontend-backend WebSocket integration; refactored the client transcription pipeline to detect sentence boundaries and stream clean line-by-line output, and added an error boundary with resilient socket reconnection.

YouTube & Reddit Sentiment Analysis – Graduation Project | Python, Flask, MLflow, LightGBM May 2026

- Developed the Flask REST inference API for a 4-person end-to-end MLOps pipeline (DVC, MLflow tracking on AWS EC2, artifacts on S3), loading the registered TF-IDF + LightGBM model from the MLflow registry and serving sentiment predictions and chart visualizations to a Chrome extension.

Personalized RAG-Powered Chatbot | Python, LLMs, RAG, NLP, Flask May 2025

- Built a Retrieval-Augmented Generation chatbot on a locally hosted Mistral-7B-Instruct model with GPU-accelerated inference (RTX 3060 Ti), grounding responses in a curated knowledge base via dynamic context injection.
- Developed a Flask API backend handling retrieval, prompt construction, and response generation, served through a custom web interface exposed online via Cloudflare.

Personal Portfolio Website | TypeScript, HTML, CSS, Vercel, Cloudflare Jan 2026

- Designed, built, and deployed a responsive portfolio on Vercel with a secure contact form (Resend + Cloudflare Turnstile), version-controlled on GitHub and hosted on a custom domain with Cloudflare DNS and SSL.

CERTIFICATIONS & AWARDS

AWS Certified AI Practitioner May 2025

CMI Level 3 Certificate in Principles of Management and Leadership Dec 2025

Introduction to MongoDB Mar 2025

Responsive Web Design by freeCodeCamp Jan 2025

ACTIVITIES & LEADERSHIP

Kennedy-Lugar Youth Exchange & Study (YES) Program Aug 2025 – May 2026

- Represented Bahrain as a youth ambassador while living with a host family and studying at an American high school, developing cross-cultural communication, adaptability, and independence.

Crown Prince's International Scholarship Candidacy Program (CPISP) Jun 2025 – Aug 2025

- Completed intensive, selective coursework in leadership, critical reasoning, academic writing, and public debate; collaborated across diverse teams in competitive, high-pressure environments.

TradeQuest U.S. Market Analyst Oct 2024 – Feb 2025

- Conducted equity market analysis (NASDAQ, S&P 500) in a team competition; managed a simulated \$4M USD and 500,000 BHD portfolio and presented investment strategies and results to judges.

SKILLS

Programming: Python, C, TypeScript, JavaScript

Web & Backend: React, Node.js, Express, Flask, Socket.io, REST APIs, HTML, CSS, SQL, MongoDB

AI & MLOps: NLP, Retrieval-Augmented Generation (RAG), LightGBM, scikit-learn, MLflow, DVC, AWS, Git/GitHub, Jupyter