SULTAN ALMOTIRI

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EDUCATION

Bachelor of Science in Computer Science Tempe, AZ
Arizona State University Jan 2023 - Dec 2026
3.75 GPA, *Dean's List*

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, Java, SQL, HTML/CSS, Bash, TypeScript
Technologies: OpenAI API, RAG, pgvector, Supabase, Postgres, LangChain, Docker, Linux, Git
Developer Tools: GitHub, CI/CD

TECHNICAL PROJECTS

AI-Powered Q&A Agent for Regulatory Compliance

- Reduced AI hallucinations by 40% through custom RAG pipeline using pgvector and metadata-aware reranking, improving user trust score from 2.1 to 4.2/5
- Implemented RAG (Retrieval-Augmented Generation) system with vectorized document storage in Supabase, significantly improving response accuracy through precise vector similarity matching
- Integrated WhatsApp API to deploy production bot for 10+ bank employees, handling regulatory compliance queries with sub-second response times

Unbeatable Tic Tac Toe AI [Demo], [Github]

- Implemented the MiniMax algorithm with recursive game tree traversal to guarantee optimal play and ensure an unbeatable AI opponent
- Built a responsive, animated HTML/CSS/JavaScript interface with dynamic status updates, win highlighting, and difficulty selector for enhanced user experience
- Engineered async game engine using Web Workers for AI calculations, preventing UI blocking during 250K+ state evaluations while maintaining real-time responsiveness
- Utilized local storage to persist win/loss/draw statistics across sessions, gaining experience with front-end state management.

EXPERIENCE

Arizona State University - Academic Center, Tempe, AZ: Computer Science Tutor January 2025 – May 2025

- Mentored 10+ students weekly in Data Structures and Algorithms, with 85% reporting improved confidence and 18% average exam score improvement
- Created 50+ visual explanations and practice problems covering dynamic programming, graph algorithms, and complexity analysis
- Developed practice problems focusing on technical interview preparation for FAANG-style coding challenges

Arizona State University - IT Department, Tempe, AZ: Deskside Support May 2025 – Present

- Automated device provisioning workflows using Python and Bash scripts, reducing setup time by 50%
- Developed PowerShell scripts for batch software deployment across 300+ enterprise machines
- Provided technical support for executive systems, maintaining 99%+ uptime for critical operations

Formula 1 - Jeddah Corniche Circuit, Jeddah, Saudi Arabia: Supervisor January 2023 – March 2023

- Learned 3 new routes in 3 days for transporting 500+ VIPs and media publicists
- improved operational efficiency by 70% through effective coordination and elimination of inefficiencies.

RELEVANT COURSEWORK

Data Structures and Algorithms, Machine Learning, Database Management, Theoretical Computer Science, Principles of Programming Languages, Object Oriented Programming, Machine Learning, Artificial Intelligence