

Ahmed Abdelmohsen

Aspiring Specialist in AI & Database

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Summary

Computer Science student at the American University of Sharjah with hands-on experience in artificial intelligence, database systems, & web development. Experienced in SQL, Oracle Database, relational database design, RAG, Agentic AI, and responsive web technologies. Founder and Developer of Web Spark Studios, with experience developing database-driven and web applications and a strong background in technical leadership and community engagement.

Education

BSc. Computer Science

American University of Sharjah, United Arab Emirates

Aug 2023 - Current

Database Systems, Artificial Intelligence, Data Structures & Algorithms, Web Development, and Computer Systems

Experience

Vice President, IEEE SIGHT, AUS

Apr 2026 - Current

- Led more than 5 community-focused technology initiatives, workshops, and digital literacy programs for 80+ community members.
- Coordinated multiple activities connecting engineering, technology, and social impact.
- Contributed to the chapter's recognition as the 2nd Most Active Student Branch Technical Chapter at the 2025 IEEE UAE Section Recognition Awards.

Team Leader, AUS, UAE

Jan 2026 - Current

- Directed a team of 4 peer leaders in supporting around 40+ newly arriving students during orientation week.
- Coordinated student guidance activities to improve communication, confidence, and engagement.

Chair, AUSMUN 26, UAE

Dec 2025 - Apr 2026

- Facilitated 7 structured debates and maintained a fair, professional committee of 40+ delegates.
- Evaluated 40+ delegates' performance based on diplomacy, participation, and communication skills.

Projects

Athena 2 AI-Powered Conversational Assistant: RAG, NLP, Generative AI, Vector Databases

Developed an AI-powered conversational assistant with contextual conversation management and an interactive user interface. Implemented NLP and AI-driven features to deliver more relevant, intelligent, and natural user responses.

AUSMUN Database Management System: Oracle SQL, Java, JDBC, ER/EER Modeling. Designed and developed an end-to-end relational database system for managing delegates, committees, sessions, attendance, evaluations, awards, and position papers. Built the ER/EER model, implemented the Oracle schema and constraints, & integrated database operations with Java.

AUS Social App: Developed a social platform for AUS students as a final project for CMP 257 (Web Development). Features include user authentication, a posting system, and interactive feeds.

Community Engagement

Community Tech Instructor in IEEE SIGHT & Government of Sharjah: Led a 5-week hands-on web development program for around 40 underprivileged students, teaching HTML, CSS, and basic JavaScript while promoting digital literacy and access to technology

Certifications and Licenses

- **IBM RAG and Agentic AI Professional Certificate** - IBM / Coursera, 2026
- **Google AI Professional Certificate** - Google / Coursera, 2026
- **IBM Skills Build Cybersecurity Certificate** - IBM & SkillUp Online, 2025

Skills

- **Technical Skills:** Java, SQL, Oracle Database, JDBC, Relational Database Design, ER/EER Modeling, Normalization, Generative AI, RAG, Agentic AI, LangChain, LangGraph, Vector Databases, MCP, Prompt Engineering, GitHub, and Web Development
- **Soft:** Leadership, Communication, Team Coordination, Public Speaking, Event Logistics, Training Facilitation