Sultan Alnuaimi

Computer Science & Machine Learning Practitioner

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Computer science and machine learning practitioner passionate about building intelligent systems and solving complex algorithmic challenges. Experience spans full-stack development, fine-tuning ML models with PyTorch and ensemble methods, and computer vision — from autonomous vehicle models to real-time aerial telemetry analysis. Active in competitive programming and research, with a track record across national STEM competitions, hackathons, and selective scholarship pipelines.

SKILLS

Python, PyTorch, Machine Learning, Computer Vision, Ensemble Methods, Competitive Programming, Algorithms & Data Structures, Java, C++, JavaScript, TypeScript, HTML/CSS, React, Next.js, Firebase, Node.js, Git & GitHub

EXPERIENCE

Independent Developer
2025 — Present

Personal Projects

- Designed and shipped multiple full-stack web apps end to end, from idea to deployed product.
- Fine-tuned machine learning models with PyTorch and ensemble methods for real-world tasks.
- Implemented computer vision pipelines, including autonomous vehicle models and aerial telemetry analysis.

Freelance & Contract Development
2023 — Present

Independent / Various Clients

- Built and shipped custom Roblox games for companies and well-known content creators.
- Designed and developed websites for local businesses.
- Built internal apps and handled cybersecurity work for my school.

RESEARCH

Research Assistant — Neural Network Efficiency
2026 — Present

Zayed University

- Assisting a professor on an ongoing neural network efficiency research project.
- Gained hands-on exposure to real academic research practices and workflows beyond the classroom.

PROGRAMS & LEADERSHIP

Inspirit AI Scholars Program — Inspirit AI 2026

42 Abu Dhabi (42AD) Program — Full-Stack Web Development — 3rd Place Hackathon 2024

Abu Dhabi Autonomous Racing League (A2RL) — Reinforcement Learning Engineer — 4th Place Nationally 2025

Agented Verse 1 Hackathon — AI Agent Architect — 4th Place Overall 2026

IIT Delhi – Abu Dhabi (Al-Ibtikar Bootcamp) — Al Khwarizmi Innovation Award Winner 2026

ExxonMobil Future STEM Leaders Program — STEM Innovation Scholar — 1st Place 2025

ADIA Mustaqbali Winter Camp — Advanced ML & Data Science Scholar — 1st Place 2025

Al Ain Adventure Leadership Program — Team Captain — Gold Medal 2025

Elite Talks Competition — Public Speaker — 1st Place 2025

Brewster Academy Summer Program — ADIA Mustaqbali Scholars Pipeline 2024 & 2025

Columbia University Pre-College Program — ADIA Scholarship Pipeline 2026

Self-Directed Learning — Independent Study — Math, CS Fundamentals & ML 2024 — Present

HONORS & AWARDS

Competitive Programming, AI & Robotics

USACO 2026 — Gold Division, Perfect Score — USA Computing Olympiad 2026

Heriot-Watt University Dubai Programming Competition — 6th of 60 — Heriot-Watt University 2026

CodeWars — 1 kyu (top 0.935% globally) — Codewars 2026

Abu Dhabi Autonomous Racing League (A2RL) — 4th Place — Advanced Technology Research Council 2025

Agented Verse 1 Hackathon — 4th Place — 42 Abu Dhabi × Khalifa Fund 2026

42 Abu Dhabi (42AD) Program — 3rd Place Hackathon — 42 Abu Dhabi 2024

MakeX Robotics Competition — 3rd Place — MakeX 2022

National STEM Championships & Innovation Honors

EduStream STEAM Champions — National Winner — EduStream 2026

Best Creative Builders & Innovators Award — EduStream 2026

Al Khwarizmi Innovation Award — IIT Delhi – Abu Dhabi (Al-Ibtikar) 2026

ExxonMobil Future STEM Leaders Program — 1st Place — ExxonMobil / Abu Dhabi University 2025

Academic Leadership Programs & Certificates

Columbia University Pre-College Program — Columbia University 2026

Brewster Academy Summer Program — Brewster Academy 2024 & 2025

ADIA Mustaqbali Excellence Award — Abu Dhabi Investment Authority 2026

ADIA Mustaqbali Winter Camp — 1st Place — Abu Dhabi Investment Authority 2025

Academic Honors, Leadership & Community Recognition

International Astronomy & Astrophysics Competition — Pre-Finalist — IAAC 2026

Volunteer Flag Protection Team — Certificate of Appreciation — UAE Flag Preservation Charter 2025

Al Ain Adventure Leadership Program — Gold Medal — UAE Adventurers 2025

Elite Talks Competition — 1st Place — Elite Private School 2025