MOHAMMED YOUSUF AL-HASANI

Muscat, Oman | +968 9811 2524 | seaomn27@gmail.com
Portfolio: mohammed98112.github.io | LinkedIn | GitHub: Mohammed98112

OBJECTIVE

Detail-oriented Computing (Oil and Gas) graduate from Majan University College with a perfect academic record (GPA 4.0) and hands-on experience in SCADA systems, PLC programming, and full-stack web development (C# .NET, Angular). Currently expanding into Python, AI agents, FastAPI and Docker through ongoing training. Seeking an internship or entry-level opportunity to apply technical and software development skills in industrial automation, energy, or software engineering environments.

SKILLS AND ABILITIES

- **Programming:** C# (.NET), JavaScript, SQL (MySQL), Python *(in training)*
- **Web Development:** Full-stack development with C# .NET (backend) and Angular (frontend); REST APIs with FastAPI and Pydantic validation *(in training)*
- **Database Management:** Database design and querying with MySQL; PostgreSQL *(in training)*
- **AI & Agents** *(in training)***:** Building AI agents in Python, LangGraph workflows, OpenAI API, MCP servers (FastMCP), AI tools for productivity
- **Docker & Automation** *(in training)***:** Docker and Docker Compose, n8n workflow automation
- **Industrial Automation:** PLC programming (Ladder Logic – basics), SCADA systems (IGSS)
- **Process Automation:** Gas leak detection, emergency shutdown systems, instrumentation (sensors, actuators, FF cables)
- **Languages:** Arabic (Native), English (Fluent)

EXPERIENCE

Full-Stack Development Training – Codeline by Rihal Apr 2026 – Present

- Intensive full-stack training covering C# .NET for backend and Angular for frontend development.
- Building hands-on projects applying object-oriented programming, API development, and modern web application architecture.
- Currently learning Python and how to design and build AI agents.
- Built AI workflows with LangGraph and MCP, REST APIs with FastAPI, and containerised apps with Docker Compose.

SCADA Final Year Project – Majan University College 2024 – 2025

- Developed a real-time SCADA system for gas leak detection and emergency shutdown using IGSS and PLC Ladder Logic.
- Created visual alarms and automated control mechanisms; conducted testing and prepared full project documentation.

EDUCATION

BSc Computing (Oil and Gas) – Majan University College, Muscat, Oman Graduated 2025

- **GPA: 4.00 / 4.00** – Dean's Honor Certificate recipient in multiple semesters.
- Relevant Coursework: Industrial Automation, SCADA Systems, Database Management, Python Programming.

CERTIFICATIONS AND ACHIEVEMENTS

- Dean's Honor Certificate – Majan University College (multiple semesters, academic excellence)
- AI for Productivity (Applied/Tools Training) – CodeLine Training Institute, Oman | Apr 2026 (Supervised by the Ministry of Higher Education, Research and Innovation)
- Artificial Intelligence – Samsung Innovation Campus | Sep 2025 – Dec 2025
- Industrial IoT and Control Systems in Energy – Cisco Networking Academy | Dec 2025 – Feb 2026
- Industrial Automation & SCADA Training Certificate – Majan University College
- Organiser – Majan Research Excellence: IEEE Region 8 Local Student Presentation Contest | Nov 2024

SOFT SKILLS

Teamwork & Collaboration • Time Management & Organization • Attention to Detail • Critical Thinking • Fast Learner