

Mohamed Noor

Mechatronics & Robotics Enthusiast | AI Systems Developer | Cambridge Curriculum, Oman

Salalah, Oman • Tunisian • mohammednoor.me

PERSONAL PROFILE

Highly motivated and self-driven student pursuing the Cambridge International Curriculum in Oman, with strong academic performance in Mathematics and Physics. Passionate about building intelligent systems that bridge hardware and software — from robotics and smart environments to embedded AI. Has independently developed multiple technical projects spanning web platforms, AI tools, and game development. Currently preparing for undergraduate studies in Mechanical Engineering / Mechatronics in China, with a planned foundation year in Chinese language.

EDUCATION

Cambridge International Curriculum | Salalah, Oman • 2023 – Present

Grade 11 (2024–2025) — Overall Average: 88%

Subject	Grade (%)
Mathematics	93%
Physics	94%
Chemistry	84%

Grade 10 (2023–2024) — Overall Average: 89%

Subject	Grade (%)
Mathematics	96%
Physics	90%
Chemistry	88%
Biology	93%

Grade 12 (2025–2026) — Results Pending

COMPETITIONS & ACHIEVEMENTS

🏆 Arab Programming Week 2024 — UNESCO Level • March 2024

- Ranked 2nd Place across 22 Arab countries at UNESCO level
- Project: Arabic Alphabet Learning System — educational AI with interactive tools

🏆 Arab Programming Week 2025 • June 2025

- Ranked 2nd Place in Oman
- Project: IbdAA Platform — AI-powered text evaluation and Arabic writing assistance for high school students

🏆 DCPC 2026 — Selected Participant • 2026

- Selected for a competitive programming contest focused on algorithms and problem-solving under time constraints

PROJECTS

AI Smart Home System • In Development — Long-Term Project

Offline AI system with distributed sensor networks and smart access control

- Zone-based microphone and sensor architecture for room-level awareness
- Offline AI processing for privacy-first, low-latency operation
- Face recognition with role-based permissions (parent / child access control)
- Local web dashboard, event-driven automation, multilingual UI (Arabic / English / Chinese)

Ibda3 AI Platform • Completed < 1 month • June 2025

AI-powered text analysis and Arabic writing improvement for high school students

ibda3.mohammednoor.me

Arabic Alphabet Learning System • March 2024

Interactive educational game teaching letters and words to children — 1st in Oman, 2nd in Arab world (UNESCO)

- Built in under 2 weeks using Python and educational AI

Japanese Language Learning Platform • Ongoing

Structured interactive lessons, vocabulary, and exercises for Japanese learners

japanese.mohammednoor.me

Who Wants to Be a Millionaire? • Completed

Interactive quiz game with 100+ questions simulating the real TV show experience

Advanced Calculator • Completed

Smart desktop calculator supporting basic and advanced operations — built with Python

Personal Portfolio Website • Live

mohammednoor.me

Lumara Platform • Coming Soon

Modern, fast, and seamless shopping experience — currently in development

TECHNICAL SKILLS

Programming	Python (Advanced), JavaScript (Intermediate–Advanced), HTML/CSS (Advanced), PHP & MySQL
AI & ML	AI API integration, TensorFlow Lite, ML concepts, offline AI model deployment
Game Dev	Unity 2D & 3D, inventory systems, UI systems, interaction mechanics
Engineering	Embedded systems (foundational), sensor systems, smart system architecture, hardware–software integration
Web	Responsive design, full-stack (frontend + backend), database-driven platforms

LANGUAGES

Arabic	Native
English	Intermediate (A2–B1)
Chinese	Beginner (Foundation Year Planned)

CAREER OBJECTIVE

To pursue a degree in Mechanical Engineering / Mechatronics in China, focusing on intelligent systems, robotics, and AI-integrated engineering. Long-term goal is to design and develop advanced autonomous systems and smart environments that combine hardware and artificial intelligence.

AREAS OF INTEREST

- Robotics & Mechatronics Engineering
- Artificial Intelligence Systems
- Embedded Systems & Smart Devices
- Smart Home Automation
- Human–Machine Interaction Systems