SA / SWITCH

Salim Marhoon Alabri

Technical Developer & Trainer | Founder of Switch

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PROFILE

I develop technical projects and prototypes combining electronics, artificial intelligence and the Internet of Things. Through Switch, I deliver hands-on training and build interactive learning experiences, turning ideas into practical prototypes that can be used and tested.

QUALIFICATIONS

Diploma.

Training of Trainers (TOT) certificate.

AREAS OF EXPERIENCE

Electronic prototyping: microcontroller programming, sensor integration, alerts and monitoring dashboards.

Interactive platforms and educational experiences using software and computer vision.

Practical training that makes electronics, programming and AI accessible to students and enthusiasts.

3D modelling and printing to support project development.

SELECTED PROJECTS

Interactive Student Welcome — An educational experience combining interactive characters, a camera and hand gestures. View project ↗

Hand-Gesture Interaction — Computer vision that turns hand movements into interaction with on-screen content. View project ↗

Sentinel Helmet AI — A safety prototype connecting sensors and alerts to a web monitoring dashboard. View project ↗

TECHNOLOGIES

Arduino / ESP32 · Python · AI · Computer Vision · IoT · Web · 3D Printing

TRAINING & SERVICES

Workshops in AI fundamentals, Arduino and ESP32 programming, 3D modelling and printing. Technical project development, educational platforms and interactive experiences.