

Prof. Dr. Ahmed Bin Alabish

Senior ICT Expert & Digital Transformation Consultant

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Languages: Arabic (Native), English (Full Professional Proficiency)



Professional Summary

Accomplished Senior ICT Professional, Consultant, and Researcher with over 20 years of experience leading enterprise networking, digital transformation, and capacity-building programs in Libya. Proven track record of executing critical high-level technical programs for major state entities, including the Ministry of Defense, Ministry of Health, and Ministry of Justice. Expert in designing resilient network architectures, telecommunications (including 5G propagation modeling), data governance, and information security. Highly adept at bridging the gap between advanced technical engineering and corporate strategic goals, making me uniquely positioned to drive enterprise ICT infrastructure and digital innovation for upstream/downstream oil and gas operations in Libya.

Core Competencies & Expertise

- **Enterprise Infrastructure:** Advanced network engineering, routing & switching, systems administration, and data center management.
- **Telecommunications & Wireless:** Deep technical knowledge of 5G technologies, propagation models, and industrial telecommunications.
- **Digital Transformation:** Leading large-scale digitalization, health/management information systems (MIS), and data governance workflows.
- **Information Security & Governance:** Risk assessment, network security protocols, cryptography, and steganography.
- **Project Management & Capacity Building:** Designing and executing mission-critical training frameworks for technical personnel.
- **Vendor & Stakeholder Management:** Navigating complex local regulations and state ministries (Oil, Justice, Defense, Health).

Professional & Technical Experience

Senior ICT Consultant & Postgraduate Supervisor

Libyan Academy, Tripoli, Libya | Oct 2021 – Present

- Spearhead institutional capacity-building initiatives and drive strategic digital transformation frameworks across academic and public structures.

- Manage, review, and supervise advanced engineering and computer science research projects focusing on modern network capabilities and security.
- Design and deliver advanced postgraduate curricula matching modern global technical and corporate requirements.

Senior Lecturer (Networks & Computer Science)

Zawia College of Computer Technologies / University of Zawia, Libya | 2011 – Present

- Delivered high-level technical and theoretical training in complex network architecture, data systems, and ICT policy.
- Coordinated departmental workshops targeted at standardizing local technical talent with international enterprise expectations.

Head of IT Department

Sorman College of Science and Technology, Libya | 2008 – 2011

- Directed all academic and administrative IT infrastructure operations, overseeing faculty performance and technical resource deployment.
- Modernized infrastructure frameworks and curricula to boost technical competitiveness.

Track Record in State Infrastructure & Inter-Ministerial Coordination

- **Ministry of Justice (2026):** Spearheaded and advanced specialized technical training programs in network engineering to modernize and develop the Documentation and Information Department.
- **Ministry of Health (2023 & 2025):** Led national professional rollout programs introducing Health Information Systems (HIS), driving public sector data governance, cloud compliance, and inter-agency data sharing.
- **Ministry of Defense Staff Academy (2023):** Appointed as an expert technical lecturer to lead secure communications and advanced educational frameworks for high-ranking personnel.

Education & Qualifications

- **Ph.D. in Computer Science** – Atilim University, Ankara, Turkey (2019)
 - ✓ *Focus: Telecommunications, 5G Propagation Models, Network Performance, and Security.*
- **M.Sc. in Computer Science** – Universiti Sains Malaysia (USM), Penang, Malaysia (2006)

- **Higher Diploma in Computer Technology** – Tripoli College for Computer Technology, Libya (2001)

Professional Certifications

- **CCNA (Cisco Certified Network Associate)** – Netmetric Solutions, Hyderabad, India
- **MCSE (Microsoft Certified Systems Engineer)** – Microsoft / Netmetric Solutions, India

Selected Publications & Research Impact

- **10+ Publications** in peer-reviewed international journals and IEEE conferences (including *IEEE Access*, *IEEE MI-STA*, *ISNCC*).
- **Primary Research Focus:** 5G wireless propagation, industrial network optimization, information security, and cryptographic modeling highly applicable to remote oil field telecommunications, SCADA systems networks, and offshore platform communications.

Awards & Recognition

- **National Commendations:** Formally recognized by the Ministry of Defense, Ministry of Health, and Ministry of Justice for exceptional contributions to state system deployment and cybersecurity frameworks.
- **Ph.D. Scholarship Award:** Granted by the Ministry of Higher Education and Scientific Research, Libya, for outstanding technical competence.