

YOGESH ARYAL

IT Director & Digital Transformation Specialist

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EXECUTIVE PROFILE

Strategic ICT Director and Digital Transformation Executive with 10+ years of experience engineering national digital infrastructure, leading cross-agency e-governance policy, and modernizing public sector technology. Proven track record managing mission-critical systems for 18M+ citizens, integrating National Digital Identity platforms, and leading multi-disciplinary teams across 77 regional offices.

CORE COMPETENCIES & EXPERTISE

- Digital Governance & DPI:** Digital Governance Frameworks • Public Sector Modernization • Digital Public Infrastructure (DPI) • Results-Based Management (RBM)
- Policy & Cybersecurity:** ICT Policy Formulation • Multi-Stakeholder Engagement • ISO/IEC 27001 Security Standards • Business Continuity Planning (BCP)
- Electoral Technology & Leadership:** Election Management Systems (EMS) • Biometric Voter Registration Integration (NID/VRS) • Technical Advisory • Distributed Team Leadership

PROFESSIONAL EXPERIENCE

- Election Commission Nepal**
IT Director (Technical Lead)

July 2025 – Present
Kathmandu, Nepal

 - Digital Voter Infrastructure:** Directed national digital voter registration operations, safeguarding system availability, cybersecurity standards, and data integrity for millions of citizens.
 - Electoral Operations:** Led processing and management of ~1 million voter registrations for the March 2026 national elections.
 - National ID Integration:** Spearheaded deployment of a 24/7 online voter registration system integrated with the National ID (NID) platform, enabling remote citizen participation.
 - Remote Voting Research:** Conducted policy development and technical feasibility studies on online voting, assessing cybersecurity resilience and international standards alignment.
 - Distributed Workforce Leadership:** Provided strategic direction and technical leadership to 3 Computer Engineers and 86 Computer Operators across 77 District Election Offices.
- Commission for Investigation of Abuse of Authority (CIAA)**
Electronics Engineer

Nov 2023 – July 2025
Kathmandu, Nepal

 - Technical Assessments:** Conducted evaluations of complex ICT systems, electronic records, and infrastructure to support high-priority evidence-based investigations.
 - Risk & Audit Governance:** Assessed technology procurement and regulatory compliance, identifying systemic risks to strengthen governance in public-sector ICT projects.
- Government of Nepal (Ministries)**
Electronics Engineer

Sept 2016 – Nov 2022
Kathmandu, Nepal

 - Digital Nepal Framework:** Key technical operational lead driving cross-governmental e-services across federal, provincial, and local government tiers.
 - Broadcasting Digitization:** Supervised national broadcasting channel digitization, spectrum management, vendor compliance, and infrastructure modernization.
 - Accident Forensics:** Executed technical investigation of electronic, navigation, and communications systems for official aircraft accident inquiries.

- Delivered graduate workshops in Statistics & Operations Management at International University of Japan (2021–2022).
- Taught undergraduate Computer Networks, Cryptography, and Digital Logic at Pulchowk Campus, IOE (2014–2016).
- Authored and published the instructional engineering textbook *"Basic Electronics"*.

EDUCATION

International University of Japan (IUJ)

2022

Master of Business Administration (MBA) – IT Management

Niigata, Japan

Honors: JDS Scholar • Beta Gamma Sigma Honor Society Inductee • X-Culture Best Report Writing Award

Pulchowk Campus, IOE, Tribhuvan University

2014 & 2016

M.Sc. in Info & Comm Engineering (2016) | B.E. in Electronics & Comm Engineering (2014)

Lalitpur, Nepal

Honors: Passed with Distinction (Top Tier Academic Rank) • JENESYS Fellow

TECHNICAL SKILLS & ECOSYSTEM

Governance & Strategy	IT Governance (TOGAF), ISO/IEC 27001 Standards, Public Sector Modernization
Architecture & Systems	Biometric Voter Registration (BVRS), Election Management (EMS), NID Interoperability, REST APIs
Software & AI Stack	Python, SQL, Next.js, React, Tailwind CSS, Streamlit, Git, Local AI Integration (Ollama)

CERTIFICATIONS & PROFESSIONAL REGISTRATIONS

Registered Engineer - Nepal Engineering Council

General Member - Nepal Engineers Association

ICT4SD Certified

Japan Development Scholar (JDS)

JENESYS Fellow