



ICT SERVICES

ICT Services drive innovation by developing, managing, and maintaining information and communication technologies essential for digital business operations.

KEY AREAS

Software development, network administration, cybersecurity, cloud computing, AI integration

Popular Careers

Cybersecurity Analyst, AI readable websites developer, Cloud Solutions Architect, Internet of Things (IoT) Systems Engineer, Augmented Reality Developer

Skills needed

Coding, network management, data analysis, problem-solving, and knowledge of emerging technologies

Why it matters

ICT services enable the digital transformation of businesses, enhancing efficiency, security, and innovation in every sector

Future look

The sector will continue to grow with new careers emerging in AI development, data privacy, and cybersecurity as businesses rely more on digital solutions

CYBERSECURITY ANALYST



Protects organization's information systems, networks and data from external attacks and internal threats using artificial intelligence and machine learning. Continuously monitor an organization's information systems and networks to identify vulnerabilities and prevent cyberattacks.

Working conditions

Works primarily in corporate environments, but can also operate remotely. Flexible hours, even outside of work hours or on weekends, work can be stressful, especially in the event of cyber attacks.

Tasks

Security Monitoring; Vulnerability Management; Security Incident Response; Forensic Analysis; Security Policy Management; Team Training and Awareness.

Skills

Network and System Security; Vulnerability Management; Application Security; Incident Response; Log Monitoring and Analysis, Identity and Access Management (IAM); Regulations and Compliance; Cryptography; Cloud Security; Stress Management.

Education

Master's Degree in Computer Science and Computer Engineering. Professional Certifications: CISSP, CEH, CISA, CompTIA Security+; CCSP, CISM.

Opportunities

Private Companies, Public Sector, Security and Consulting Services, Banking and Financial Sector, Healthcare.

AI READABLE WEBSITES DEVELOPER



Develops websites, particularly e-commerce, with interfaces that are easily readable by artificial intelligence engines and custobots (automatic software that can manage online purchasing processes).

Working conditions

Works in cutting-edge technology companies where innovation and AI integration are central; can work remotely but some companies may require in-office presence to foster team collaboration.

Tasks

AI Optimized Website Design and Development; AI Tools Integration; AI SEO Optimization; User Behavior Analysis; Personalized Experience Creation; Content Automation.

Skills

Web Development: HTML, CSS, JavaScript, React, Angular, and Vue.js.; Data Structure and Semantics; SEO Optimization for AI; Natural Language Processing (NLP); Machine Learning and Intelligent Algorithms; API and AI Integration; Data Architecture and Ontologies

Opportunities

Web Development and Consulting Agencies; Technology Startups and AI Companies; E-commerce Companies; Large Tech Companies (Google, Microsoft, Amazon); Digital Marketing and SEO Companies; R&D in Technology Companies.

Education

Master's Degree in Computer Science or Computer Engineering, Design or Digital Media; Master in Artificial Intelligence or Machine Learning, Advanced SEO and Web development.