



BCS.IT FACULTY PROFILE

CYBERSECURITY & NETWORK TECHNOLOGY
WITH AI AND PROGRAMMING

Aaditya Khati



**Cyber Security Consultant,
CryptoGen Nepal**



**Cyber Security Law & Policy,
Ethical Hacking,
Digital Forensics**



Professional Background: Seasoned SOC Manager at Cryptogen Nepal Pvt Ltd leading security operations, incident handling, and cyber intelligence. Experienced in Offensive Security, SIEM administration, penetration testing, and digital forensics, with a track record of managing security projects and training staff.

Certifications and Training:

- ▶ LogRhythm Platform Administrator
- ▶ ISC2 Certified Ethical Hacker (CEH)
- ▶ EC-Council Certified PCI Security Implementer
- ▶ CISCO Cyber Ops
- ▶ Palo Alto Networks PSE
- ▶ Fortinet Network Security Expert

Achievements

- ▶ Recognized by Facebook, Trip Advisor, Under Armour for bug bounty discoveries; LogRhythm LogWars 2023 Winner.

Abhishek Gautam



**Network Security Engineer, Digital
Network Solution (DNS)**



**Computer Network,
Data Communication & Networking**



Professional Background: Computer Network Engineer with hands-on experience in network design, implementation, and troubleshooting across various vendor devices including Cisco, Juniper, Sophos, Fortigate, and Palo Alto. Worked on datacenter network migration, firewall management, VPN configuration, wireless LAN security, and project management in sectors like banking, hospitality, and government offices.

Training and Certification

- ▶ CCNA
- ▶ JNCIA-Junos
- ▶ JNCIA-Security

Additional Experience

- ▶ Internship in Cyber Security, site network engineering, and IT support for various sectors with a focus on VPN, NAS, and VOIP systems.

Aditya Thakur



Director at Krityahub



Computer Organization,
Digital Logic



Professional Background: Director at Krityahub, currently serves as a Lecturer at Kathford Engineering College and Sunway College, as well as Head of Department (Computer Science) at Kasthemann College. Founder of an IT company. Possesses over three years of experience in engineering and more than five years in teaching, specializing in computer science and programming subjects. Previously involved with several academic institutions including Acme Engineering College, Rainbow International College, Oxford Engineering College, Phoenix College, NCMIT College, MRM College, and Apex College.

Certifications and Training:

- ▶ MATLAB, Proteus, and Simulink software
- ▶ C and C++ programming
- ▶ Job Safety Analysis (JSA)
- ▶ Quality Control
- ▶ Engineering Graphics and Design
- ▶ Safety Procedures
- ▶ Teamwork and Communication Skills

Basant Shrestha



**Founder & Managing Director,
Information Technology Concerns**



**Linux Administration,
System Software & Administration**



Professional Background: Experienced System and Network Administrator with expertise in system administration, network setup, virtualization (VMware, Hyper-V), server hardware configuration, technical support, and cloud computing. Worked at BRAINDIGIT IT Solutions Pvt. Ltd and Nepal Information Technology Center, focusing on network/system design, implementation, monitoring, web hosting, and IT training.

Training and Certification

- ▶ Microsoft Certified System Engineer (MCSE)
- ▶ Redhat Certified System Engineer
- ▶ Microsoft Certified Professional (MCP)
- ▶ Microsoft Technology Associate (MTA) in Networking Fundamentals
- ▶ Dimension Data Certified Network Technician/Associate/Professional

Bikash Khadka Shah



Sr. IT Trainer & Manager, Expert IT Engineering Black Hawk



**Operating Systems,
Windows Server 2016,
Database Management System**

Professional Background: Senior Trainer and Manager at Expert IT Engineering Black Hawk Pvt. Ltd. since 2008. Experienced in training roles for Red Hat Linux, CCNA, Oracle Database, CompTIA CySA+, and Microsoft Office at various institutions including Nepal Army, St. Lawrence College, Texas College and Reliance College.

Certifications and Training:

- ▶ RHCE7, RHCSA7, RHCE6, RHCSA6 (Red Hat)
- ▶ OCP and OCA (Oracle 11g Database)
- ▶ MCSE and MCSA (2012/14 Data Platform)
- ▶ CompTIA A+
- ▶ CCNA (Routing and Switching)
- ▶ CEH, Microsoft Database

Debesh Adhikari



Senior Software Engineer



Principle of Programming,
E-Commerce



Professional Background: Senior Software Engineer, Lecturer at Madan Bhandari Memorial College (2022–Present). Previously a Graduate Teaching and Research Assistant at the University of North Dakota, Technical Lead, and Web Administrator.

Certifications and Training:

- ▶ Conference publications in IEEE on UAV path optimization
- ▶ MRO software engineering

Dipesh Khadka



Network Security Engineer, Digital Network Solution (DNS)



**Computer Network,
Data Communication & Networking**

Professional Background: Network Security Engineer at Digital Network Solution (2018–present), specializing in firewall management, security policy implementation, and incident response.

Certifications and Training:

- ▶ CCSA (Checkpoint)
- ▶ PCNSE (Palo Alto)
- ▶ NSE1, NSE2, NSE3 (Fortinet)
- ▶ SD-WAN (Cisco)
- ▶ Arista Technical Accreditations
- ▶ Nse7 , JNCIA-SEC (Juniper)

Jeevan Subedi



Co-Founder, Multi Vision Import Export



**Leadership & Human Relations,
Industrial Management**



Professional Background: Co-Founder at Multi Vision Import Export Co. Ltd, Operations /HR/Sales roles at C3S Logistics (2019–2021), and Spokesperson/HR at Local Integrated Fellowship for Research and Development.

Certifications and Training:



Microsoft Office



SPSS



Organizational Development

Johnson Timalcina



**Network Engineer at Subisu
CableNet**



**Discrete Mathematics and
Probability**



Professional Background: Network Engineer at Subisu CableNet Ltd. with responsibilities in network monitoring, managing routing and switching issues, server management, and providing training and technical support. Lecturer at multiple colleges teaching networking, programming, software engineering, and IT subjects. Currently IT Manager at Kamana Groups.

Certifications and Training:

- ▶ CCNA
- ▶ MERN Fullstack training
- ▶ Machine Learning and Data Science in Python
- ▶ Google Certified Educator Level

Om Prakash Thakur



**Cloud and DevOps Engineer Trainer
and Consultant**



Cloud Computing



Professional Background: Cloud and DevOps Engineer Trainer and Consultant with over 5 years of experience deploying and managing cloud infrastructure (AWS, Azure, GCP), improving deployment efficiencies, and conducting technical training. Previously worked in cloud operation and project lead roles managing payment integration and software deployment.

Certifications and Training:

- ▶ AWS Certified Solutions Architect Professional
- ▶ Google Professional Cloud Architect
- ▶ AWS Academy Certified Educator
- ▶ DevOps on AWS (Coursera)
- ▶ GitHub Foundations Certificate
- ▶ Multiple AWS certifications

Prayaschit Bhandari



**IBDP Computer Science Faculty and
HoD IBDP Sciences**



**Computer System,
Cryptography**



Professional Background: Computer Science faculty for International Baccalaureate Diploma Program and Cambridge International A-Levels at various reputed schools, with previous roles in management faculties. HOD for Group 4 Sciences in IBDP.

Certifications and Training:

- ▶ Workshops on IB DP Computer Science
- ▶ A-Level Computer Science
- ▶ Radio Program Production
- ▶ Assessor training for Duke of Edinburgh's International Award

Sanju Shrestha



**Data Scientist | Educator | IIT Roorkee Alum |
Python, AI & ML Expert**



**Object Oriented Programming,
Wireless Communications,
Artificial Intelligence**



Professional Background: Data Scientist with 5 years of experience in Artificial Intelligence, Machine Learning, and Deep Learning. He has designed and implemented AI models in NLP, computer vision, and predictive analytics, and has served as an AI and Data Science instructor, part-time faculty for Python and algorithms, and Senior IT Officer leading IT and data-driven initiatives. He has also led projects in automation, customer and HR management systems, and advanced machine learning solutions.

Training and Skills:

- ▶ Programming Languages: Python, Matlab, SQL, Bash
- ▶ Machine Learning & AI: TensorFlow, PyTorch, Keras, NLP (BERT, NER), supervised and unsupervised learning, deep learning models (CNN, RNN, LSTM)
- ▶ Data Tools: Pandas, NumPy, Matplotlib, Seaborn, Excel, Power BI, Tableau
- ▶ Cloud Platforms: AWS, GCP, Azure
- ▶ MLOps & DevOps: Git, Docker, CI/CD Pipelines, MLflow, DVC, Amazon SageMaker
- ▶ Methodologies: Agile, Scrum, Data-Driven Decision Making

Achievements:

- ▶ Winner of Ketamine Challenge – BIOMAG Data Analysis Competition 2022
- ▶ Developed multiple AI and ML projects such as customer churn prediction, application tracking systems, and epilepsy detection models

Shreenkhala Bhattarai



SOC Team Lead, CryptoGen Nepal



**Ethical Hacking,
Digital Forensics**

Professional Background: SOC Team Lead at CryptoGen Nepal with over 5 years of experience in cybersecurity, specializing in security operations center management, incident response, threat hunting, and SIEM implementation. Has progressed from Cyber Security Analyst to SOC Analyst to SOC Team Lead.

Certifications and Training:

- ▶ Fortinet Network Security Expert Level 3
- ▶ ICSI CNSS Certified Network Security Specialist
- ▶ Splunk 7.x Fundamentals Part 1
- ▶ Certified Incident Responder

Srijana Jha



Founder/Chairperson, Skill Spark



English



Professional Background: Founder and Chairperson of Skill Spark, HR Admin Officer at Everest Parenterals Pvt. Ltd, Training Coordinator cum HR Assistant, IT Counsellor, and Business English Instructor. Experienced in HR administration, employee management, training coordination, and career counseling.

Certifications and Training:

- ▶ Certified Microsoft Student Partner (MSP) 2016
- ▶ Windows Apps Development
- ▶ Android App Development
- ▶ Web Development
- ▶ Advanced Excel
- ▶ PHP training

Sudip Adhikari



IT Operations,
WHH Nepal - Welthungerhilfe



Computer Ethics,
Technopreneurship



Professional Background: Sudip Adhikari is an experienced IT management professional with a strong background in system operations, network security, infrastructure optimization, and organizational IT support. Alongside his role as Head of IT and faculty member at KFA Business School & IT, he also contributes to IT Operations at WHH Nepal – Welthungerhilfe. His work spans system administration, Microsoft 365 management, hardware and software upgrades, and the implementation of secure and efficient digital environments. Sudip's earlier experience includes IT support in network management, CCTV systems, and PABX operations. He is recognized for his analytical problem-solving skills, technical expertise, and commitment to operational excellence.

Training and Certification

- ▶ Management Development Program (MDP)
- ▶ CCNA Computer Network Technician Level 3
- ▶ Training on Microsoft 365 Administration

Sunil Pokhrel



Software Engineer, Deerhold



Software Engineering,
Web Designing



Professional Background: Software Engineer at Deerhold Ltd. Part-time Lecturer with expertise in Python, ReactJS, .NET, and MSSQL. Developed projects in software development and analytics, with active involvement in organizing technical events and workshops.

Training and Skills

- ▶ Project Management
- ▶ Web Designing
- ▶ C, .NET Framework
- ▶ JavaScript
- ▶ ReactJS
- ▶ Python Scripting
- ▶ MSSQL
- ▶ Git/Github

Publications

- ▶ Research on IoT-Based Smart Home with Face Recognition Security published in an international journal.

Udbhas Baral



SecureIQ Lab



Advanced Switching Technology



Professional Background: Associate Security Solution Architect at Vairav Tech with experience in IT support, network administration, virtualization, and security solution deployment. Previous roles include Junior Network and System Administrator at Worldlink Communications and IT Support at Information Technology Concern.

Certifications and Training:

- ▶ CCNA
- ▶ VxRail
- ▶ AWS Cloud Foundation
- ▶ ISC2 CC
- ▶ NSE 1,2,3, CEH



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