

Arun Acharya

Certified Ethical Hacker

A highly motivated and hardworking individual pursuing a postgraduate degree in Computer Networking and Cybersecurity offered as a full scholarship by London Metropolitan University and is expected to graduate in 2021. Having a track record of achieving First-class Honours in the undergraduate degree. Seeking an opportunity to start a career in the cybersecurity industry to build upon a keen interest in threat intelligence, offensive security and digital forensics. In possession of skills eventual career goal is to become a fully qualified expert, with the longer-term aspiration of evolving into strategic and operations management.



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TECHNICAL SKILLS

Network Penetration

Testing Tools:

Metasploit, Burpsuite, Nmap, Wireshark, Nessus, Aircrack-ng, HPing3

Programming Languages:

Python, C/C++, Bash Scripting

Digital Forensics Tools:

Autopsy, Forensic Toolkit (FTK), Encase, SANS Investigative Forensics Toolkit (SIFT)

Network Configuration, Design and Security Skills: Cisco (CCNA and CCNP), Palo Alto

Software development methodology and practices: AGILE, Evolutionary Prototyping

Operating Systems and their troubleshooting: Windows, Linux, Mac OS

Office Application suite: Word, PowerPoint, Excel

Robotics hardware: Raspberry Pi, Arduino, ESP, AVR

Database Management: SQL Query, Mongo DB, Firebase

Web Designing Skills: HTML, CSS, JavaScript, PHP

PROFESSIONAL CERTIFICATION

Certified Ethical Hacker (CEH) - Practical
ECC9651732804

2021 - 2024

EC-Council

EDUCATION

M.Sc. (Hons.) Computer Networking and Cybersecurity
London Metropolitan University

2020 - Present

United Kingdom

B.Sc. (Hons.) Computer Networking and IT Security
London Metropolitan University

2016 - 2019

First Class Honours

WORK EXPERIENCE

Cyber Helpline Responder, Volunteer
The Cyber Helpline

03/2021 - Present

United Kingdom

- Helping individual victims around the United Kingdom to understand, contain, recover and learn from cyber-attacks and privacy issues.
- Lead a case registered by victim, help them to solve it by providing guidance and suggestion along with documenting the case-solving process, issues and action applied for future references strictly maintaining confidentiality.
- Additional responsibilities include involvement in the development of cybersecurity-related personal projects of the company.

Academic Tutor

Islington College, London Metropolitan University

02/2020 - 09/2020

Nepal

- Responsible for leading the module 'Digital Crime Investigation' and guiding undergraduate students which included a theoretical and practical demonstration of attacking methodology and detection techniques pertaining to cybercrime.
- Worked on designing and developing various components of cybersecurity diploma course which helps to give rudimentary concepts to beginner.
- Acted as the manager of the Robotics and Internet of Things (IoT) department (RID) which resulted in various wins in national and international level robotics competitions.
- Leading multiple seminars and workshops in cybersecurity along with occasional lecturing in the sister organizations.

Trainer, Part-time
MPercept Academy

07/2019 - 09/2020

Nepal

- Conducted classes for tri-monthly courses and guided students from multiple subject backgrounds towards Cybersecurity, CCNA, Robotics and Internet of Things (IoT).
- Worked on designing and developing some components of the courses run by the academy which helps to give rudimentary concepts to beginners.
- Led multiple free seminars and training sessions through a community initiative 'MDevelopers' in collaboration with Mpercept Technology and MPercept Academy.

CORE SKILLS

Penetration Testing

Computer Forensics

Enumeration

Risk Assessment

Encryption

Linux

Intrusion Detection

Malware Analysis

Network Security

Network Design

Network Troubleshooting

Network Hardening

SOFT SKILLS

Leadership

Communication

Presentation

Time Management

Decision Making

Critical Thinking

Work under pressure

Attention to detail

INTERESTS

Vulnerability Assessment

Penetration Testing

Security Auditing

Security Research

Computer Forensics

Digital Crime Investigation

Risk Assessment

Bug Bounty

Artificial Intelligence

LANGUAGES

English

Full Professional Proficiency

Nepali

Native Proficiency

Hindi

Professional Working Proficiency

MENTORSHIP

Provided multiple community training to more than five thousand youths 2018-2020

Organized various workshops, seminars and tutorial sessions in multiple cities of Nepal where I introduced students about awareness of cybersecurity, Robotics training, new emerging technologies [Like: IoT, AI, ML, Computer Vision] and overall 'what technology is and how is affecting our daily lives'.

ORGANIZATIONS

Founder of the community 'Internet of Things (IoT) Nepal'

01/2020 - Present

The first IoT community in Nepal (1300 members and growing) whose primary goal is to create a community where people collaborate together (<https://www.facebook.com/groups/iotnepal/>).

Co-Founder of the community 'M Developers'

10/2019 - 09/2020

A community initiative by MPercept Technology & MPercept Academy, where I was organizing multiple Cybersecurity, IoT and Computer Vision workshops to help people persuade towards technology.

ACHIEVEMENTS

- Recipient of EC-Council's 'Certified Ethical Hacker - CEH' scholarship of the year 2020/21.
- Recipient of International Students House and London Metropolitan University Scholarship 2020/21 for postgraduate degree.
- Top of cohort (Overall Faculty Topper, Class of 2019) of B.Sc. (Hons.) Computer Networking and IT Security from London Metropolitan University.
- Won six national level robotics competitions organized by Robotics Association of Nepal (RAN) and other Engineering college.
- Represented Nepal by leading a Robotics team in the International Robotics Competition organized by Indian Institute of Technology (IIT) Bombay, India.

PERSONAL PROJECTS

Credential harvesting using Evil Twin Access Point

2020

- A demonstration of credential harvesting project that works in conjunction with multiple offensive security techniques such as Wi-Fi de-authentication, Creation of Evil Twin access point and DNS spoofing to harvest information from the user without their knowledge to reflect on the idea of wireless network security.

Next Generation of Agricultural Automation

2019-2020

- Research and Development 'R&D' project of a greenhouse where the primary goal was to create eco-friendly and sustainable 'aquaponics' farming system without human intervention.

Self navigating Unmanned Aerial Vehicle (UAV)

2019 - 2020

- A self-navigating drone created for humanitarian response which was equipped with payload carrying mechanism for delivery of essential food or medical supplies to areas affected by natural disasters autonomously without a pilot.

Smart College Security System for Islington College

2018 - 2019

- Intelligent all in one security system based on the Internet of Things consisting of a comprehensive security solution with Smart Alarms, Smart RFID Door Lock, Intruder Detection System, Smart Energy Saver, Smart Web Application etc.

WiFi de-authentication software

2019

- A custom made denial of service (DoS) software based on Aircrack-ng suite which was responsible to remove all users connected to an access point.