



# MANOJ GHIMIRE

ENTRY LEVEL CYBER  
SECURITY ENGINEER

## PERSONAL PROFILE

- Resourceful Computer Engineer with hands-on approach and mindset for designing, hardening and implementing Network Security, Malware Analysis, Reverse Engineering, System Programming and Scripting for automation. Looking for the position as Cyber Security Internship.

## CERTIFICATION:

- CEH from Neosphere
- LITE- 2019
- Quantum Hack

## TRAINING

- CEH (Certified Ethical Hacker)
- Neosphere




## PROJECTS

- Malware-Detection using Random Forest
  - For PE files only
  - Python-pefile
  - Machine Learning
  - Binary Ninja
  - Radare
  - Ghidra
- ARP Poisoning and Sniffing
  - Python
  - Scapy
- Keylogger
  - Using python socket
- PE\_Parser

## CERTIFICATION

- CEH Neosphere

## GET IN CONTACT

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## HIGHLIGHTS

- Identify and use tools and techniques to conduct static and dynamic analysis of malware, including building a lab environment
- Proficiency with Windows & Linux.
- Solved challenges of [Ropemporium](#), [Protostar](#), [TryHackme](#) and [HackTheBox](#)
- Strong understanding of operating systems (Linux) and networking.
- Knowledge of worms, viruses, trojan, rootkits, and botnets
- Experience with open source research and development

## SKILLS

- Programming in C/C++, Python, Bash
- MALWARE ANALYSIS
- Ability to use [YARA](#) rules based on textual or binary patterns and [Snort](#) and [Scapy](#) for IDS.
- Technical knowledge of the internals of common file formats such as: [PE](#) and [ELF](#) file formats.
- Parsing of PE and ELF files according to their headers, sections, imports, and exports
- Experience with program and system analyses through OllyDbg, PCap tools, Ghidra and TCP Dump

### REVERSE ENGINEERING

- Experience of [Radare](#), [GDB](#), [Ghidra](#), [BinaryNinja](#), [Binwalk](#) for reversing ELF and other binaries.
- Familiar with [Squashfs](#), [lzma](#) embedded file format
- [Binary Exploitation](#) and Buffer overflow
- Familiar with [Docker](#), [Virtualbox](#), and Sandbox Environment
- Experience with [Shellcode](#) analysis and [ROP](#), [ROP gadgets](#).
- Able to read, debug and analyze disassembly of x86 and x64 binaries
- OS / [Kernel](#) code development experience with Linux
- [Linux system](#) programming in C.
- Memory allocation in Linux
- Compiler Internals experience ([gcc](#), [mingw32](#))

### NETWORKING

- [Samba](#) with [ADDC](#)
- Linux Privilege Escalation
- Experience with [Kali Linux](#), penetration testing tools and techniques
- Ability to perform basic protocol and network analysis, including TCP/IP, UDP, FTP, HTTP, SSH, SMB, etc
- Worked on industries top tools like [Nessus](#), [Burp Suite](#), [Metasploit](#) and [OpenVAS](#)
- Support the creation of a big data analysis program through the identification of attributes and indications of targeted activity for profile development

## EDUCATION HISTORY

KANTIPUR ENGINEERING COLLEGE [DHAPAKHEL, LALITPUR]

Bachelor of Computer Engineering

KATHMANDU MODEL HIGHER SECONDARY  
SCHOOL [BAGBAZAR, KATHMANDU]

+2 Science