

SONU KUMAR

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CAREER OBJECTIVE

A highly motivated and technically skilled cybersecurity professional specializing in Offensive Security and Red Team operations, with a strong interest in ethical hacking, penetration testing, exploit simulation, and real-world threat analysis. Equipped with hands-on experience in identifying vulnerabilities and securing digital infrastructure, I take a proactive and attacker-minded approach to strengthening system defenses. I have led the development of advanced tools including AI-powered detection systems, domain threat analyzers, and automated security platforms. I am seeking for a job opportunity where I can apply my skills, expand my practical impact, and contribute to cutting-edge security initiatives that help organizations stay ahead of evolving cyber threats.

EDUCATION

BSc (Hons) Computer Networking & IT Security

2023 - Present

Islington College

London Metropolitan University

Kamal Marg, Kamal Pokhari, Kathmandu, Nepal

School Leaving Certificate

2020 - 2022

National Infotech School

National Examinations Board

Shiroman-Tole, Birgunj, Parsa, Nepal

3.54 GPA

SKILLS

Technical Skills

Multimedia Tools: Photoshop, Illustrator, Canva, Premiere Pro, Cap cut,

Networking: Basic Configuration, VLANs, STP, NAT, ACL, DHCP, DNS, OSPF and FHRP.

Vulnerability Assessment Tools: Nmap, Burp suite, Metasploit and Nessus.

Operating System: Linux and Windows.

Programming Language: Python, HTML, CSS and Java

AI & Computer Vision: OpenCV, YOLO, TensorFlow

Soft Skills

Time Management

Adaptability

Flexibility

Fast Learner

Creativity and Problem Solving

Team Collaboration

PROJECTS

Academic Projects

E-Commerce Website (Frontend Project)

Sep 2023 - Oct 2023

A static web-based printer selling site developed using HTML, CSS, and JavaScript. The site allows users to browse products, filter categories, and simulate a shopping experience. Designed to demonstrate UI/UX fundamentals and frontend development skills.

Land Rental Management System (Python)

Aug 2024 - Oct 2024

Developed using Python and file-based storage, this tool automates land rental transactions. It supports automatic billing, transaction history logging, and record updates replacing traditional paper systems with real-time processing and reduced human error.

Fire Fighting Robot (Embedded Systems)

Jan 2025 - Feb 2025

Built using Arduino, sensors, and flame detection modules, this robot detects fire using infrared sensors and automatically moves toward the fire source to extinguish it. This project demonstrates robotics, automation, and safety engineering principles.

Self-Driven Projects

Form Auto-Filler in Bulk (Python + Word + Excel)

Mar 2025 - Mar 2025

An automated document generation tool that fills Word templates using data from Excel. Built with Python, and python-docx, it supports dynamic placeholder mapping, PDF export, and merging. Ideal for educational, HR, and legal automation workflows.

Basic WHOIS + Domain Threat Analyzer

Apr 2025 - Jun 2025

A real-world cybersecurity tool built using Python and external APIs, it collects WHOIS data, subdomains, DNS records, blacklist checks, and ranks domains based on threat score. Useful for OSINT, domain investigations, and cyber threat intelligence.

AI-Powered Traffic Monitoring & Violation Detection System

Sep 2025 - Working

A comprehensive computer vision-based system developed using Python, OpenCV, YOLO, and Streamlit, capable of:

- Real-time detection of vehicles, number plates (including Nepali plates), and humans.
- Direction tracking (left/right), helmet detection, and intrusion alerts.
- Generates summaries, charts, and exports data to Excel or Google Sheets.
- Designed for smart city surveillance and law enforcement use.

TRAINING AND CERTIFICATIONS

[Video editing and Graphic Designing \(Broadway Infosys\)](#)

[Introduction to Cybersecurity \(Online\)](#)

[Introduction to Penetration Testing \(Online\)](#)

[AWS Academy Cloud Security Foundation \(Online\)](#)

[AWS Academy Cloud Architecting \(Online\)](#)

[AWS Academy Cloud Operations \(Online\)](#)

EXPERIENCE

Quality Management System in Nepal (QMS)

Senior Graphic Designer

Sep 2021 - Sep 2023

Created comprehensive visual assets for print and digital platforms, ensured brand consistency across all organizational communications, and collaborated with internal teams to translate complex information into clear and engaging designs.

Skyline Tours and Travels

Senior Graphic Designer

Dec 2023 - Jun 2024

Designed promotional materials for travel packages and campaigns, elevated the company's brand presence through compelling visual storytelling, and produced cohesive marketing content across social media, print, and digital channels.

Sama Publications

Senior Graphic Designer & Website Developer

Nov 2024 - Mar 2025

Developed publication layouts and branded graphics, built and maintained a functional and visually aligned website, and ensured seamless integration of design and web elements for a modern and consistent digital identity.

UHS Holdings

Senior Graphic Designer and website Developer

May 2025 - Aug 2025

Delivered high-quality corporate designs for presentations, marketing initiatives, and branding materials, improved visual identity through refined and modernized assets, and supported multiple departments with tailored creative solutions.

WebSurfer

Network Support (L2)

Sep 2025 - Dec2025

Provided advanced technical support for network operations, resolved connectivity and system issues to maintain service stability, and assisted users and internal teams with accurate troubleshooting and reliable technical guidance.