KSHITIZ DHUNGEL

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CAREER OBJECTIVE

Recent Graduate with master's in information technology, specialising in Cybersecurity with foundational knowledge in threat detection, incident response, and security monitoring. Actively seeking an entry-level role as IT Support Analyst or similar information technology roles – I am skilled with troubleshooting, maintaining and configuring the networks, as well as installing and supporting software's, hardware's and applications. Through my coursework, I gained valuable hands-on experience through projects which helped me to enhance my skills in Programming Languages, Network and Security Tools, Database Management and version control like GitHub and Jira.

Beyond technical skills, I'm committed in delivering high-quality service by closely monitoring the requirements, understanding user needs, ensuring effective notable communication and working collaboratively within a supportive team. I am eager to apply my skills in a dynamic, growth-oriented companies and make a meaningful contribution to their success.

TECHNICAL SKILLS

Programming Languages: PHP, Java, HTML, CSS, Python, JavaScript.
Operating Systems: Windows, Linux, MacOS.
System and Server: Apache (HTTP), GitHub, Active Directory, Windows Server 2016.
Cloud Technologies: MS-Office 365 Suites, Azure, AWS, Microsoft Intune.
Scripting Languages: SQL, Bash, PowerShell**.**
Virtual Systems: VirtualBox, VMWare.
Networking: DNS, DHCP, TCP/IP, Router, Firewall, VPN, VLANs, Switches.
Developer Tools: Google Cloud Platform, VS Code, PyCharm, Eclipse, Sublime Text.
Security Tools: Snort, Wireshark, Nmap, Metasploit, Tshark, Zeek, pfSense, Burp Suite, Splunk, Elastic Stack, Yara, OSINT, Wazuh, Sysmon, KAPE, …
Ticketing Systems: Freshdesk, HubSpot.

KEY STRENGTHS AND PERSONAL SKILLS

- Proficient in Microsoft Word, Excel, PowerPoint, Outlook, Project and Website Design.
- Ability to work with dynamic team members and contribute to task to achieve organizational objectives.
- Proficient in communication and administrative skills.
- Customer Service, Attention to detail and adaptable.
- Interpersonal Skills, Positive attitude and Time management.

COLLEGE PROJECTS AND HANDS-ON EXPERIENCE

College Projects

Quiz Application (Project Link: https://github.com/ktd2054/Projects/tree/main/Java%20Quiz%20App)

- Developed a Java-based quiz application that loads and manages questions from text files, tracks user performance, and saves quiz reports automatically.
- Designed and implemented core features such as question management, multiple attempts, logging system, and file handling using Apache NetBeans.
- Conducted comprehensive testing to ensure accuracy, usability, and data integrity throughout all development phases.

WordPress Security Improvement

(Project Link: https://github.com/ktd2054/Projects/tree/main/Wordpress%20Security%20Improvement)

- Implemented advanced cybersecurity strategies for a WordPress skincare website, including vulnerability assessments, mitigation of SQLi, XSS, DDoS, and brute force threats.
- Hardened site components, enforced 2FA, strengthened password policies, and deployed WAF and monitoring solutions.
- Ensured GDPR compliance and conducted regular security audits to enhance the site's overall security posture.

IOT Network Traffic and Anomaly Detection

(https://github.com/ktd2054/Projects/tree/main/IOT%20NETWORK%20TRAFFIC%20AND%20ANOMALY%20DETECTION)

- Implemented an IoT network traffic monitoring and anomaly detection system using Contiki-NG and the COOJA simulator.
- Unlike traditional signature-based Intrusion Detection Systems (IDS), this solution combines rule-based thresholds with lightweight machine learning to detect unusual network activity in real time.

Hands-On Experiences

IT Journal – Installing OS on Virtual Box and Creating Ticketing Systems

(link: https://github.com/ktd2054/IT_Journal)

Microsoft Learn (https://learn.microsoft.com/en-us/users/85065531/training?tab=credentials-tab)

Practical Labs – TryHackMe Rooms
(https://github.com/ktd2054/Projects/tree/main/SOC%20LAB/Practical%20Labs)

Phishing Simulator – TryHackMe

(https://github.com/ktd2054/Projects/tree/main/SOC%20LAB/TRYHACKME%20PHISHING%20SIMULATOR)

ACADEMIC QUALIFICATIONS

Master of Information Technology. King's Own Institute. Sydney, Australia. 2023-2025.

Key Subjects: *Introduction to Programming, Database Management, Project Management, Networking and Cybersecurity, Information Security, Advance Cybersecurity, Cloud Privacy and Security*

Bachelor's Degree in Information Management, Kist College of Management, Kamalpokhari.

Kathmandu, Nepal. 2016-2020

Key Subjects: *Structured Programming, Data Structures and Algorithms, Database Management Systems, Java Programming, Advanced Internetworking, Computer Security and Cyber Law*

PROFESSIONAL EXPERIENCE

Lecturer. Damak Technical Education and Foundation. Damak, Jhapa, Nepal. 2021 - 2022
https://damaktechnical.edu.np/, https://www.linkedin.com/company/dtefnepal/

- Delivered lectures on Database Management, Data Structures and Algorithm, and Principles of Management courses.
- Designed and assessed coursework to strengthen students' analytical and technical skills.
- Promoted a supportive classroom culture focused on learning and collaboration.

Computer Science Teacher. Shree Mangalmaya Secondary School. Kamal-5, Nepal. 2019 – 2022
https://www.facebook.com/mangalmaya.secondary/

- Worked as a Computer Science Teacher for high school students, delivering lessons on programming, computer fundamentals, and IT concepts.
- Managed and maintained the school's IT labs, ensuring smooth operation of systems and networks.
- Encouraged practical, hands-on learning and helped students build confidence with technology.

CREDINTIALS, MICROSKILLS & BADGES

- Micro Skill Introduction to Linux - Institute of Applied Technology, July 2025
  (link: https://github.com/ktd2054/Projects/blob/main/IAT_Digital_Microskill-June2025.pdf)

- IT Help Desk for Beginners – LinkedIn Learning, 2025
  (https://www.linkedin.com/learning/certificates/7c2e1d45b0892197fec2eeda6da99899e97a9e804f4cd4e4dec8711cb6ca25e9?trk=share_certificate)

- Pre-Security – TryHackMe, January 2025
  (https://tryhackme-certificates.s3-eu-west-1.amazonaws.com/THM-VGOETPCIDV.pdf)

- Cyber Security 101 – TryHackMe, July 2025
  (https://tryhackme-certificates.s3-eu-west-1.amazonaws.com/THM-VEU3YNGZ8R.pdf)

- Security Operation Center Level 1 Pathway – TryHackMe, September 2025
  (https://tryhackme-certificates.s3-eu-west-1.amazonaws.com/THM-BSCH1NQA54.pdf)

REFERENCES

Provided Upon Request.