

Kushagra Dwivedi

+91 7420016272 | kushagra.finn@gmail.com

<https://github.com/vakitoritrash>

Dedicated cloud and networking professional with a strong foundation in cybersecurity. Currently pursuing an Integrated MTech + BTech with a specialization in cybersecurity (Senior year). Passionate about problem-solving and leveraging cloud technologies to drive innovation. Seeking a challenging role to apply my academic knowledge and contribute to cutting-edge projects.

PROJECTS

Cloud Projects

AWS HACKING LAB

September 2024

- Designed and deployed a cloud-based hacking lab on AWS to simulate an enterprise network with vulnerable machines for penetration testing.
- Configured a vulnerable image from VulnHub on AWS and set up a Kali Linux environment with GUI access for comprehensive security assessments.
- Automated lab deployment using infrastructure-as-code (IaC) practices with AWS CLI and Terraform.
- Utilized Kali Linux tools to monitor and analyze network traffic on the compromised instance.

AWS OpenVPN Server

August 2024

- Designed and deployed a cloud-based hacking lab on AWS to simulate an enterprise network with vulnerable machines for penetration testing.
- Configured a vulnerable image from VulnHub on AWS and set up a Kali Linux environment with GUI access for comprehensive security assessments.
- Automated lab deployment using infrastructure-as-code (IaC) practices with AWS CLI and Terraform.
- Utilized Kali Linux tools to monitor and analyze network traffic on the compromised instance.

Miscellaneous Projects

July 2022 - September 2024

- Ping/Multi Ping Web Application: Built a Python-based web app using the Bottle framework to ping and monitor client devices via DNS or IP addresses.
- Flight Managing Web Application: Developed a Django web app to manage and sort passengers by flights, with SQLite as the database.

CERTIFICATES AND COURSES

- NPTEL Blockchain and its applications
- IIT Bombay TechFest Ethical Hacking
- Completed The Odin Project

WORK EXPERIENCE

- Built the UI and worked as a graphic designer and frontend dev for cashin.club 2023-2024
- Was hired as a graphic designer at ZAPPKODE co. 2023

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, BHOPAL

2021-2026 (Expected)

Integrated Masters of Tech in Computer Sciences with specialization in Cyber Security

SKILLS

Python, HTML, CSS, SASS, Javascript, React, JSON, Django, Linux, TCP/IP, SQL, AWS, HTTP, SSH, Unix, Git, Bash, WSL2, Kali Linux Tools, Docker