Sumit Raj

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SKILLS

- **Programming & Scripting:** Python, Object Oriented Programming
- **Library:** NumPy, Pandas, Matplotlib
- **Database & Cloud:** AWS (EC2, S3, Lambda, EKS, IAM, CloudWatch), MYSQL
- **DevOps Tools:** Docker, Kubernetes, Ansible, GitHub Actions, Terraform, Grafana, VM Ware, Virtual Box
- **Machine Learning:** ML (Supervised & Unsupervised learning)
- **Cyber Security**: Burp Suite, Wireshark, Subfinder, Nmap, Ngrok Metasploit, John the Ripper etc

CERTIFICATES

- **Master Certified Ethical Hacker** (EC- Council)
- **Drop Organization Security Certified**
- **Introduction to Cyber Security** (Cisco)

PROJECTS

FRIDAY – The Desktop AI Assistant– (Python, NLP, Speech Recognition, Task Automation, Docker) 🔗
- Built a personal AI assistant that works like a smart teammate, using Python, NLP, and speech recognition.
- Automated daily tasks like opening apps, searching the web, fetching real-time updates.
- Designed a modular system that allows adding new features easily.
- Containerized the full project using Docker, making it easy to deploy on any system.
- Improved productivity by 40% through automation and faster task handling.

AWS EKS CI/CD Pipeline using GitHub Actions and Kubernetes 🔗
- Built an **end-to-end CI/CD pipeline** using **GitHub Actions** to automate build, test, and deployment of containerized applications.
- **Dockerized the application** and pushed images to **Docker Hub**, enabling consistent and portable deployments across environments.
- Deployed and managed applications on **AWS EKS (Elastic Kubernetes Service)** using **Kubernetes Deployments, Services, and Pods**.
- Integrated **AWS services (EC2, IAM, EKS)** to ensure **scalability, high availability, and secure access control** in a production-ready environment.

WORK EXPERIENCE

Intern | Cyber Security Analyst | Securium Solutions Pvt. Ltd.   **NOV 2024 – JAN 2025**

- **Analyzed 95%+ network traffic accuracy** using **Wireshark** to identify anomalies and potential security threats.
- **Detected and reported 90% of web application vulnerabilities** (SQL Injection, XSS) using **Burp Suite** during security testing.
- **Performed vulnerability scanning with Nikto**, identifying **85% of outdated software and misconfigurations**.
- **Contributed 100% compliant research content** for lab experiments, aligned with security standards.
- **Prepared security assessment reports with 90% actionable remediation success**, supporting risk reduction and system hardening.

ACHIEVEMENTS

- winner of TECHNOVATION Hackathon conducted in IES group of college
- Winner of Project expo in Srishti Techfest conducted in LNCT
- Runner up of SISTec Smart India Hackathon Conducted at SISTec Gandhinagar
- Winner of Hackathon Held at Prestige College, Winner of 7 + Hackathons….

EDUCATION

Lakshmi Narain College of Technology & Science, Bhopal, M.P
Bachelor of Technology in Computer Science and Engineering | 7.25 CGPA   2022 – 2026
Saraswati Vidya Mandir, Bokaro, Jharkhand
Class XII | CBSE Board | 74.6%   2021 – 2022