NIRAKARA MISHRA

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Profile Summary

Motivated and detail-oriented Cybersecurity Professional with certified training from Google and IBM. Proficient in threat detection, incident response, and vulnerability analysis using modern security tools and frameworks. Strong foundation in network defense, system security, and risk mitigation. Passionate about continuous learning and contributing to building secure digital infrastructures.

Core Cybersecurity Skills

Security Management • CIA Triad • Incident Response • Vulnerability Assessment • Threat Detection • Threat Management • Risk Management • Threat Modeling • Cyber Threat Intelligence • Security Controls • Security Auditing • Security Testing • Log Analysis • Network Security • Cryptography • Cloud Security • Endpoint Security • Malware Protection

Tools & Frameworks

Wireshark • Splunk • Nmap • Metasploit • Burp Suite • Nessus • SIEM Platforms • ISO 27001 • NIST RMF • NIST CSF • NIST 800-53 • MITRE ATT&CK • OWASP Top 10 • GDPR • PCI DSS • COBIT

Networking & Operating Systems

TCP/IP • VPNs • DHCP • Firewalls • Network Routing • Wireless Networks • Network Monitoring • Network Architecture • Linux (Ubuntu/Kali) • Windows Security • Windows Server & Active Directory • System Hardening • Virtualization (VirtualBox/Docker) • PowerShell • macOS • ITIL Fundamentals

Programming & Scripting

Python • Bash • Java • SQL • NoSQL • HTML/CSS (Web Security Basics) • Secure Coding • Regular Expressions (Regex) • Automation • Data Management & Manipulation

Soft Skills

Analytical Thinking • Problem Solving • Team Collaboration • Communication • Documentation • Continuous Learning

Projects

1. Advanced Intrusion Detection and Prevention System (IDPS) using AI/ML
- Developed a Flask-based web application to detect and prevent cyber threats using a trained ML model (NSL-KDD dataset).
- Implemented attack logging, filtering, and export features with real-time visualization for actionable insights.
  Tech Stack: Python, Flask, Pandas, Scikit-learn, Matplotlib

2. Advanced Web Application Security Scanner
- Created a web vulnerability scanner to detect OWASP Top 10 issues such as XSS and SQL Injection.
- Integrated dashboard, scan history, and Excel export functionality for professional reporting.
  Tech Stack: Python, Flask, Nmap, BeautifulSoup, CSV/Excel

3. Driver Drowsiness Detection System
- Built a real-time fatigue detection system using OpenCV, Dlib, and EAR calculation.
- Enhanced with head pose estimation, event logging, and a GUI dashboard for improved user experience.
  Tech Stack: Python, OpenCV, Dlib, Tkinter, gTTS

Education

Bachelor of Technology (B.Tech) in Computer Science & Engineering

Biju Patnaik University of Technology (BPUT), Odisha, Completed: 2025 | **CGPA**: 8.1 / 10

Certifications

- ★ Google Cybersecurity Professional Certificate − **Google** (via Coursera)
- ★ IBM Cybersecurity Analyst Professional Certificate − **IBM** (via Coursera)
- ★ Applied ChatGPT for Cybersecurity − **Infosys** (via Coursera)
- ★ Getting Started with Git and GitHub − **IBM** (via Coursera)
- ★ Cyber Threat Management Certificate − **Cisco** Networking Academy

Additional Information

- ➢ Strong foundation in Linux, Networking, and Python scripting
- ➢ Familiar with ethical hacking labs (**TryHackMe**, **Hack The Box**)
- ➢ Keen interest in **AI-driven** security systems and continuous learning in the cybersecurity domain