PRADEEP KUMAR U

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EXECUTIVE SUMMARY

DevOps and Cybersecurity professional skilled in cloud security, automation, and threat monitoring using Docker, Kubernetes, Splunk, and Qualys. Certified in CEH, Google Cybersecurity, and attempted CompTIA Security+ (score: 706) with hands-on experience in and GCP. Passionate about leveraging AI-driven security automation and threat intelligence .

EDUCATION

Bachelor of Electronics and Computer Engineering (AI & DS)

Karunya Institute of Technology and Sciences, Coimbatore, India

Current CGPA: 8.34

TECHNICAL SKILLS

- **Cybersecurity:** Threat Hunting, SIEM (Splunk, Elastic), Snort, Snyk, Qualys VMDR, OpenVAS, IDS/IPS, Vulnerability Assessment, Risk Mitigation
- **DevOps & Cloud:** Docker, Kubernetes, Jenkins, Terraform, Ansible, Azure DevOps, AWS, Google Cloud, Azure Security Center, CI/CD, Infrastructure as Code
- **Programming & Scripting:** Python, Bash, PowerShell, C#, Java, KQL, SQL
- **Networking & System Security:** VPNs, Firewalls, Access Control, Incident Response, System Hardening

PROJECTS

- **StealthESP Injector** – Developed a HID injection tool with real-time payload modification and remote control.
- **Cylumix - AI Threat Monitor** - Developed an AI-based monitoring tool to detect and classify threats in real-time using custom ML models.
- **SOC Lab Deployment** – Built a virtual SOC with Splunk and Snort to simulate real-world attacks and alerting.

INDUSTRIAL PROJECT

- **AI-Powered Defect Detection System – MOHLER Machineries**
  - Developed an AI-driven system for real-time bobbin defect detection and automated classification.
  - Integrated AI, electronics, and mechanical systems to enhance manufacturing efficiency.

EXPERIENCE

Company : Shop Online New York   **Jan 2025 - Apr 2025**

Cyber Security Specialist (Intern)

- Conducted vulnerability assessments, log analysis.
- Assisted in configuring security tools.

CERTIFICATIONS

- Certified Ethical Hacker v12 (CEH)
- Google Professional Cybersecurity Certification
- Google IT Certification
- Cisco Cybersecurity Essentials
- Offensive Penetration Testing
- Oracle Cloud Infrastructure 2023 Certified Foundations Associate
- Qualys VMDR

PUBLICATION

- Performance Analysis of Different Hardware Platforms in Wireless Sensor Networks