

# PRADEEP KUMAR U

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## CAREER OBJECTIVE

Cybersecurity professional with expertise in threat analysis, incident response, and security monitoring. CEH and Google Cybersecurity certified, skilled in SIEM tools, endpoint security, cloud security, and Qualys VMDR for vulnerability management. Passionate about risk mitigation, compliance, and strengthening security frameworks.

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## EDUCATION

### Bachelor of Electronics and Computer Engineering

Karunya Institute of Technology and Sciences, Coimbatore, India

Current CGPA: 8.22 | Expected Graduation: July 2025

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## CERTIFICATIONS

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

- **StealthESP Injector** – Developed a HID injection tool with real-time payload modification and remote control.
  - **AWS VPC Setup** – Designed and deployed a secure Virtual Private Cloud (VPC) in AWS.
  - **Microsoft Azure Backup** – Configured automated Azure Backup for data protection.
  - **AWS S3 Basics** – Set up and managed S3 buckets with access control.
  - **Azure VM & Web Server** – Deployed a VM in Azure and configured a web server.
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## 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.
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## EXPERIENCE

Company : Shop Online New York

Jan 2025 - Present

Cyber Security Specialist (Intern)

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

- **Network Security:** Intrusion detection, VPN configuration, access control
  - **Defensive Security :** Snyk, Splunk, , Snort, Elastic Security, OpenVAS
  - **Offensive Security :** Network Enumeration, Vulnerability Assessment
  - **USB Attack Tools:** Development of wifi controlled Rubber Ducky devices with scripting capabilities
  - **Cloud Security:** Azure & Google Cloud Security, Microsoft Defender for Cloud, AWS
  - **Compliance & Best Practices:** NIST, ISO 27001, GDPR, Azure & Google Cloud Security
  - **Programming & Scripting:** Python, Bash, PowerShell, KQL queries
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## PUBLICATION

- Performance Analysis of Different Hardware Platforms in Wireless Sensor Networks