# Dhayanidhi S

📞 +91 87788 91284 | ✉ dhayanidhi3104@gmail.com | 🌐 **LinkedIn** | **GitHub**

## EDUCATION

**VIT Bhopal University**                                                                            Bhopal, India
B.Tech in Artificial Intelligence and Machine Learning ; GPA: 8.35/10                 June 2022 - Present

## SKILLS

- **Languages & Scripting:** Python,  SQL, JavaScript.
- **Cybersecurity Tools:** Burp Suite, Nmap, Wireshark, OWASP ZAP, DNSDumpster, WHOIS, Wayback Machine.
- **Frameworks & Technologies:** Linux (Kali), Git, Docker, Cloud Security (AWS basics), OWASP Top 10.
- **Security Domains:** Vulnerability Assessment, Penetration Testing, Web Application Security, OSINT, Network Security, Secure Code Review.
- **Soft Skills:** Analytical Thinking, Problem Solving, Attention to Detail, Communication, Collaboration.

## WORK EXPERIENCE

**Auriseg  Consulting Pvt. Ltd. (Chennai)**                                               Nov 2024 – Jan 2025

Vulnerability Assessment and Penetration Testing Intern
- Performed vulnerability assessments using tools like Burp Suite and Nmap, identifying critical security issues.
- Documented findings and reported threats in alignment with OWASP Top 10 and ISO 27001 standards.
- Collaborated with the cybersecurity team to prioritize and remediate high-risk vulnerabilities, improving overall system security posture.
- Executed manual and automated testing to uncover injection flaws, broken authentication, and misconfigurations.
- Assisted in creating secure code review checklists and best practices documents for developers to reduce recurring vulnerabilities.

## PROJECTS

**Packet Sniffer using Python** | **LINK**                                               July 2025 – Aug 2025
Tools & Tech: Python, Scapy, Nmap, Wireshark (optional), Linux (Kali)
- Developed a network packet sniffer using Python and the Scapy library to capture and analyze TCP, UDP, and ICMP packets.
- Implemented real-time traffic monitoring and alerting for suspicious activities such as SYN scans.
- Logged network activity into a file (sniffer.log) for later analysis.
- Simulated network attacks using Nmap and validated captures with tools like curl and ping.
- Version-controlled and deployed the project on GitHub for portfolio presentation.

**Vulnerability Assessment & Penetration Testing**                                   Nov 2024- Jan 2025

Tools & Tech: Burp Suite, Nmap, OWASP ZAP, DNSDumpster, WHOIS, Wayback Machine, Kali Linux
- Performed grey-box and black-box penetration testing on live applications, including critical government systems.
- Conducted OSINT-based reconnaissance using WHOIS, DNSDumpster, and Wayback Machine to uncover exposed assets and subdomains.
- Executed vulnerability scans with Burp Suite, Nmap, and OWASP ZAP, detecting issues in authentication, input validation, and misconfigurations.
- Documented findings in detailed reports, mapped to OWASP Top 10 vulnerabilities for structured remediation.
- Collaborated with security teams to validate results and provide actionable mitigation strategies.
- Strengthened practical knowledge of real-world penetration testing workflows under industry standards.

**TKS FARMING – Frontend Website**   | **LINK**                                        May 2025 – Jun 2025
- Developed a responsive e-commerce platform with cart, quantity selector, and email integration using EmailJS.
- Deployed via GitHub Pages, improving accessibility and user engagement.
- Designed with mobile-first principles to ensure usability in rural and low-bandwidth environments.
- Integrated product ordering system with options for Cash on Delivery, UPI, and Card payments.
- Enabled admin dashboard and SQL database integration for managing bookings and sign-in data.

**Plant Disease Detection**                                                                     Aug 2023 – Oct 2023
- Designed and trained a hybrid CNN-KNN classifier to identify plant leaf diseases with over 92% accuracy.
- Contributed to early intervention tools for farmers to reduce yield loss.
- Implemented visual dashboards for farmers to monitor plant health with easy-to-understand alerts.
- Enabled mobile capture and upload feature for on-the-spot diagnosis.
- Conducted field testing with farmers to validate usability and accuracy in real agricultural environments.

## CERTIFICATION

- Internship completion Letter **(certificate)**
- Machine Learning with Python **(coursera)**
- Computer Vision and Image Processing   **(coursera)**
- Privacy and Security in Online Social Media   **(NPTEL)**

## ACHIEVEMENTS & HACKATHONS

Gen AI Hackathon – Accenture (Mar 2025 – Apr 2025)
- Developed a web-based AI system to deliver personalized product recommendations to users.
- GitHub: **Repo**
- Demo: **Live Site**