

# Dhayanidhi S

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## Summary

AIML student with hands-on experience in building scalable applications, ML systems, and full-stack solutions. One internship in cybersecurity (VAPT) + multiple deployed projects. Skilled in Python, ML pipelines, CV models (YOLO/CNN), SQL, and frontend dev. Strong ownership mindset, quick learner, and comfortable working in fast-paced startup environments.

## Education

<b>Vellore Institute of Technology , Bhopal, Madhya Pradesh, India</b>	Jun 22 - Present
B.Tech in Artificial Intelligence and Machine Learning	CGPA - 8.34
<b>ABS Vidhya Mandhir, Thiruvallur, Tamil Nadu, India</b>	Jun 21- May 22
Senior Secondary Education	Percentage 74.8 %

## Skills

- **Languages:** Python, SQL, HTML, CSS, JavaScript
- **ML / CV:** TensorFlow, OpenCV, YOLO, CNN, KNN
- **Tools:** Git, Power BI, Android Studio
- **Security:** Burp Suite, Nmap, Nessus, OWASP Top 10
- **Soft Skills:** Problem-Solving, Communication, Teamwork, Ownership, Fast Learning

## Experience

<b>Vulnerability Assessment and Penetration Testing Intern</b>	Nov 24 - Jan 25
<i>Auriseg Consulting Pvt. Ltd.</i>	
<ul style="list-style-type: none"><li>• Conducted vulnerability scans using Burp Suite, Nmap, and Nessus, identifying critical security gaps aligned with OWASP Top 10.</li><li>• Composed detailed reports adhering to ISO 27001 standards, prioritizing remediation of high-risk vulnerabilities.</li><li>• Directed manual and automated testing processes to uncover injection flaws, broken authentication, and system misconfigurations.</li><li>• Created secure code review checklists, significantly reducing vulnerability recurrence.</li><li>• Partnered with security teams to verify findings and recommend actionable mitigations.</li></ul>	

## Projects

<b>Maven Market Sales Analytics Dashboard</b> (LINK <a href="#">↗</a> )	Jul 25 - Aug 25
<ul style="list-style-type: none"><li>• Drove digital transformation by creating a functional data analytics POC (Proof of Concept) using Power BI , utilizing advanced DAX and SQL for data preparation.</li><li>• Designed and presented interactive visuals (matrix, KPI cards, maps) for key metrics and trends.</li><li>• Managed stakeholder requirements gathering to deliver actionable business insights on sales, returns, and profitability analysis.</li></ul>	
<b>Packet Sniffer using Python</b> (LINK <a href="#">↗</a> )	Jul 25 - Aug 25
<ul style="list-style-type: none"><li>• Built a packet sniffer using Python, Scapy, Nmap, and Wireshark for TCP/UDP/ICMP monitoring.</li><li>• Established alerts for suspicious SYN scans and logged network traffic efficiently</li><li>• Simulated network attacks to validate and demonstrate detection capabilities.</li></ul>	
<b>TKS FARMING – Frontend Website</b> (Demo <a href="#">↗</a> )	May 25 - Jun 25
<ul style="list-style-type: none"><li>• Developed a responsive e-commerce platform for farmers hosted on GitHub Pages.</li><li>• Integrated payment gateway and shopping cart functionality.</li><li>• Administered SQL database for efficient order and inventory tracking.</li></ul>	
<b>Traffic Enforcement – Helmet Number Plate Detection</b>	Jan 24 – May 24
<ul style="list-style-type: none"><li>• Built CNN-YOLO model to detect helmet use and license plates in traffic videos.</li><li>• Integrated system with surveillance feeds for real-time traffic law enforcement.</li><li>• Automated violation reporting for backend analytics.</li></ul>	
<b>Plant Disease Detection (CNN + KNN)</b>	Aug 23 – Oct 23
<ul style="list-style-type: none"><li>• Engineered a hybrid CNN-KNN model achieving over 92 percentage classification accuracy.</li><li>• Designed a mobile interface for instant crop health diagnosis via image upload.</li><li>• Executed field testing ensuring usability and accuracy with actionable insights.</li></ul>	

## Certifications

- Power BI Data Analytics (Udemy [↗](#))
- Machine Learning with Python (Coursera [↗](#))
- Privacy & Security in Online Social Media (NPTEL [↗](#))

## Co-Curriculars

**Gen AI Hackathon – Accenture** [↗](#)  
**Coding:** Solved 70+ Data Structures and Algorithms problems on Geeks for Geeks. [↗](#)