

Dhayanidhi S

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Summary

Highly motivated B.Tech student in AI/ML with strong capabilities in Digital Transformation and developing Proof of Concept (POC) applications using Artificial Intelligence and Machine Learning. Experienced in designing full-stack solutions, applying ML concepts for real-world applications , and driving business insights through data analytics (Power BI) and automation (Python, SQL).

Education

Vellore Institute of Technology , Bhopal, Madhya Pradesh, India	Jun 22 - Present
B.Tech in Artificial Intelligence and Machine Learning	CGPA - 8.35
ABS Vidhya Mandhir, Thiruvallur, Tamil Nadu, India	Jun 21- May 22
Senior Secondary Education	Percentage 74.8 %

Skills

- Programming:** Python, SQL, HTML, CSS, JavaScript
- Tools:** TensorFlow, OpenCV, YOLO, CNN, KNN, Android Studio, Git, Burp Suite, kali linux, Nmap, Power BI, MS Excel, MS PowerPoint
- Security:** Burp Suite, Nmap, Nessus
- LLM/AI Skills:** Prompt engineering, LLM evaluation, model finetuning basics
- Soft Skills:** Stakeholder Management, Communication, Problem-Solving, Team Collaboration

Experience

Vulnerability Assessment and Penetration Testing Intern <i>Auriseg Consulting Pvt. Ltd.</i>	Nov 24 - Jan 25
• Conducted vulnerability scans using Burp Suite, Nmap, and Nessus, identifying critical security gaps aligned with OWASP Top 10.	
• Composed detailed reports adhering to ISO 27001 standards, prioritizing remediation of high-risk vulnerabilities.	
• Directed manual and automated testing processes to uncover injection flaws, broken authentication, and system misconfigurations.	
• Created secure code review checklists, significantly reducing vulnerability recurrence.	
• Partnered with security teams to verify findings and recommend actionable mitigations.	

Projects

Maven Market Sales Analytics Dashboard (LINK ↗)	Jul 2025 - Aug 2025
• Drove digital transformation by creating a functional data analytics POC (Proof of Concept) using Power BI , utilizing advanced DAX and SQL for data preparation.	
• Designed and presented interactive visuals (matrix, KPI cards, maps) for key metrics and trends.	
• Managed stakeholder requirements gathering to deliver actionable business insights on sales, returns, and profitability analysis.	

Packet Sniffer using Python (LINK ↗)	Jul 2025 - Aug 2025
• Built a packet sniffer using Python, Scapy, Nmap, and Wireshark for TCP/UDP/ICMP monitoring.	
• Established alerts for suspicious SYN scans and logged network traffic efficiently	
• Simulated network attacks to validate and demonstrate detection capabilities.	

TKS FARMING – Frontend Website (Demo ↗)	May 25 - Jun 25
• Developed a responsive e-commerce platform for farmers hosted on GitHub Pages.	
• Integrated payment gateway and shopping cart functionality.	
• Administered SQL database for efficient order and inventory tracking.	

Helmet & Number Plate Detection	Jan 24 – May 24
• Built CNN-YOLO model to detect helmet use and license plates in traffic videos.	
• Integrated system with surveillance feeds for real-time traffic law enforcement.	
• Automated violation reporting for backend analytics.	

Plant Disease Detection	Aug 23 - Oct 23
• Engineered a hybrid CNN-KNN model achieving over 92% classification accuracy.	
• Designed a mobile interface for instant crop health diagnosis via image upload.	
• Executed field testing ensuring usability and accuracy with actionable insights.	

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. ↗