

Dhayaniidhi S

+91-87788-91284 | dhayanidhi3104@gmail.com | linkedin.com/in/dhayaniidhi-s-349705255 | github.com/dhayaniidhi004

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

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| 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

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|---|-----------------|
| Vulnerability Assessment and Penetration Testing Intern | Nov 24 - Jan 25 |
| <i>Auriseq Consulting Pvt. Ltd.</i> | |
| <ul style="list-style-type: none">• 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

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|---|---------------------|
| Maven Market Sales Analytics Dashboard (LINK ↗) | Jul 2025 - Aug 2025 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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. [↗](#)