

Dhayanidhi S

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Summary

B.Tech student with expertise in software development and Python programming, experienced in building robust, scalable applications. Proficient in designing full-stack solutions, working with databases, and applying machine learning concepts for real-world applications.

Education

VIT Bhopal University , Bhopal, Madhya Pradesh, India	Jun 22 - Present
B.Tech in Artificial Intelligence and Machine Learning	CGPA - 8.35
ABS Vidhya Mandhir , Thiruvallur, Tamil Nadu	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
- Soft Skills: Stakeholder Management, Communication, Problem-Solving, Team Collaboration

Experience

Vulnerability Assessment and Penetration Testing Intern <i>Auriseq Consulting Pvt. Ltd.</i>	Nov 24 - Jan 25
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- 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 mis-configurations.
- Created secure code review checklists, significantly reducing vulnerability recurrence.
- Partnered with security teams to verify findings and recommend actionable mitigations.

Projects

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.	

Maven Market Sales Analytics Dashboard (LINK ↗)	Jul 2025 - Aug 2025
<ul style="list-style-type: none">• Developed Power BI dashboards with advanced DAX measures and SQL data prep for sales, returns, and profitability analysis.• Created interactive visuals (matrix, KPI cards, maps, treemap, gauge) for key metrics and trends.• Led stakeholder requirements gathering, delivering actionable business insights.	

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 2024 – May 2024
<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. [↗](#)