

# Dhayanidhi S

+91-87788-91284 | dhayanidhi3104@gmail.com | linkedin.com/in/dhayanidhi-s-349705255 | github.com/dhayanidhi004

## Summary

Software Engineering undergraduate specializing in AI & ML with strong hands-on experience in building scalable, performant web applications and data-driven systems. Proficient in Python, SQL, and frontend technologies, with experience delivering end-to-end modules from planning to deployment. Comfortable working in fast-paced, ambiguous environments, translating business requirements into clean, secure, and reusable code. Strong ownership mindset and eager to contribute to high-impact SaaS products.

## Education

### Vellore Institute of Technology , Bhopal, Madhya Pradesh, India

Jun 22 - Present

CGPA - 8.34

B.Tech in Artificial Intelligence and Machine Learning

### ABS Vidhya Mandhir, Thiruvallur, Tamil Nadu, India

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

## Work Experience

### Auriseg Consulting Pvt. Ltd.

Nov 24 - Jan 25

#### Vulnerability Assessment and Penetration Testing Intern

- 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 25 - Aug 25

- 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.

### Packet Sniffer using Python (LINK ↗)

Jul 25 - Aug 25

- 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 percentage 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. ↗