

# Dhayanidhi S

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## Education

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### VIT Bhopal University

B.Tech in Artificial Intelligence and Machine Learning

*Jun 2022 – Present*

GPA: 8.32/10

## Technical Skills

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**Languages:** Python, Java, Kotlin, SQL, HTML, CSS, JavaScript

**Tools & Frameworks:** TensorFlow, Keras, OpenCV, YOLO, CNN, KNN, Android Studio, Git, Burp Suite, Nmap

**Concepts:** Machine Learning, Deep Learning, Computer Vision, Data Structures and Algorithms, Web Development

## Experience

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### Auriseg Consulting Pvt. Ltd.

*Nov 2024 – Jan 2025*

*Vulnerability Assessment and Penetration Testing Intern*

- Conducted vulnerability assessments using Burp Suite and Nmap, identifying critical security flaws.
- Documented and reported threats aligned with OWASP Top 10 and ISO 27001 standards.
- Collaborated with the security team to prioritize and patch high-risk vulnerabilities.

## Projects

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### TKS FARMING – Frontend Website

*May 2025 – Jun 2025*

[Live Demo](#)

- Developed a responsive e-commerce platform with cart, quantity selector, and email integration using EmailJS.
- Deployed via GitHub Pages, improving accessibility and user engagement.
- Designed with mobile-first principles to ensure usability in rural and low-bandwidth environments.

### EyeVis – ML for Visually Impaired

*Jul 2024 – Apr 2025*

- Engineered a YOLO-based object detection system with real-time voice feedback for navigation aid.
- Improved detection accuracy by optimizing deep learning models using OpenCV and TensorFlow.
- Tested in controlled real-world environments to simulate usability for visually impaired users.

### Helmet & Number Plate Detection

*Jan 2024 – May 2024*

- Built and deployed a CNN-YOLO model to identify helmet usage and license plates in traffic videos.
- Achieved 90%+ precision and recall across varied real-world datasets.
- Integrated with video surveillance feeds to enable real-time traffic law enforcement insights.

### Plant Disease Detection

*Aug 2023 – Oct 2023*

- Designed and trained a hybrid CNN-KNN classifier to identify plant leaf diseases with over 92% accuracy.
- Contributed to early intervention tools for farmers to reduce yield loss.
- Implemented visual dashboards for farmers to monitor plant health with easy-to-understand alerts.

## Certifications

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- Machine Learning with Python ([Coursera](#))
- Intro to Deep Learning with Keras ([Coursera](#))
- Computer Vision and Image Processing ([Coursera](#))
- Privacy and Security in Online Social Media ([NPTEL](#))
- AI Primer ([Infosys Springboard](#))

## Co-Curricular

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### Gen AI Hackathon – Accenture (Mar 2025 – Apr 2025)

- Developed a web-based AI system to deliver personalized product recommendations to users.
- GitHub: [Repo](#) — Demo: [Live Site](#)