Dhayanidhi S

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EDUCATION

VIT Bhopal University   Bhopal, India
B.Tech in Artificial Intelligence and Machine Learning ; GPA: 8.35/10   June 2022 - Present

SKILLS

- Languages: Python, Java, Kotlin, SQL, HTML, CSS, JavaScript
- Frameworks & Tools: TensorFlow, OpenCV, YOLO, CNN, KNN, Android Studio, Git, Burp Suite, Nmap, Power BI, Data Visualization, Data Cleaning
- Soft Skills: Stakeholder Management, Communication, Problem-Solving, Team Collaboration.

WORK EXPERIENCE

Auriseg Consulting Pvt. Ltd. (Chennai)   Nov 2024 – Jan 2025
Vulnerability Assessment and Penetration Testing Intern
- Performed vulnerability assessments using tools like Burp Suite and Nmap, identifying critical security issues.
- Documented findings and reported threats in alignment with OWASP Top 10 and ISO 27001 standards.
- Collaborated with the cybersecurity team to prioritize and remediate high-risk vulnerabilities, improving overall system security posture.
- Executed manual and automated testing to uncover injection flaws, broken authentication, and misconfigurations.
- Assisted in creating secure code review checklists and best practices documents for developers to reduce recurring vulnerabilities.

PROJECTS

Maven Market Sales Analytics Dashboard | **LINK**   July 2025 – Aug 2025
Power BI, DAX, Data Visualization
- Utilized advanced SQL queries to prepare and structure transactional data for reporting.
- Developed complex DAX calculations and time intelligence measures within Power BI to analyze sales, returns, and profitability trends.
- Leveraged data visualization principles using Power BI's matrix, KPI cards, maps, treemap, and gauge visuals to communicate insights effectively.
- Employed strong stakeholder management and communication skills to gather requirements and present actionable business insights.
- Demonstrated problem-solving by designing interactive dashboards that enabled efficient data exploration and decision making

TKS FARMING – Frontend Website | **LINK**   May 2025 – Jun 2025
- 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.
- Integrated product ordering system with options for Cash on Delivery, UPI, and Card payments.
- Enabled admin dashboard and SQL database integration for managing bookings and sign-in data.

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.
- Generated automated violation reports for backend storage and analytics.
- Applied image preprocessing techniques to enhance clarity under varied lighting conditions.

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.
- Enabled mobile capture and upload feature for on-the-spot diagnosis.
- Conducted field testing with farmers to validate usability and accuracy in real agricultural environments.

CERTIFICATION

- Power Bi certification **(Udemy)**
- Machine Learning with Python **(coursera)**
- Computer Vision and Image Processing **(coursera)**
- Privacy and Security in Online Social Media **(NPTEL)**

ACHIEVEMENTS & HACKATHONS

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**