Dhayanidhi S

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Summary

B.Tech student specializing in Artificial Intelligence and Machine Learning, with hands-on experience in data analytics, advanced SQL, Power BI, and business intelligence. Skilled at deriving actionable insights from complex datasets, visualizing findings for stakeholders, and building scalable solutions 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, Java, HTML, CSS, JavaScript
- Data Analytics: Power BI, DAX, Data Visualization, Data Cleaning
- Tools: TensorFlow, OpenCV, YOLO, CNN, KNN, Android Studio, Git, Burp Suite, Nmap
- Soft Skills: Stakeholder Management, Communication, Problem-Solving, Team Collaboration

Experience

Vulnerability Assessment and Penetration Testing Intern   Nov 24 - Jan 25
Auriseg Consulting Pvt. Ltd.

- 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 2025 - Aug 2025

- 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

- 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

- 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% 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)
- Computer Vision & Image Processing (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.