

# Dhayanidhi S

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## Summary

B.Tech CSE student specializing in Artificial Intelligence and Machine Learning with strong hands-on experience in data analytics, SQL, Python, Excel and Power BI. Skilled in transforming complex datasets into actionable business insights through dashboards, analytical models, and structured problem-solving. Experienced in working on real-world analytics projects and collaborating on business-driven case studies.

## Education

<b>Vellore Institute of Technology , Bhopal, Madhya Pradesh, India</b>	Jun 22 - Present
B.Tech CSE in Artificial Intelligence and Machine Learning	CGPA - 8.35
<b>ABS Vidhya Mandhir, Thiruvallur, Tamil Nadu, India</b>	Jun 21- May 22
Senior Secondary Education	Percentage 74.8 %

## Skills

- **Languages:** Python, SQL, HTML, CSS, JavaScript
- **Data Analytics:** Power BI, Tableau, Advanced Excel & Google Sheets, Data Visualization, Data Cleaning, Data Validation
- **Python Libraries:** NumPy, Pandas, Matplotlib, Seaborn
- **Tools:** TensorFlow, OpenCV, YOLO, CNN, KNN, Android Studio, Git, Burp Suite, Nmap
- **Soft Skills:** Good Communication (English), Problem-Solving, Stakeholder Management, Teamwork, Ownership, Fast Learning

## Work Experience

<b>Infosys Springboard Virtual Internship</b> <i>AI Intern</i>	Dec 25 – Present
<ul style="list-style-type: none"><li>• Gaining hands-on experience in data analytics, business intelligence, and industry-relevant problem-solving through guided projects and expert-led modules.</li><li>• Working with Python, SQL, and analytics tools to analyze datasets and derive actionable insights.</li><li>• Collaborating on real-world case studies aligned with enterprise-level business scenarios.</li></ul>	

<b>Auriseg Consulting Pvt. Ltd.</b> <i>Vulnerability Assessment and Penetration Testing Intern</i>	Nov 24 - Jan 25
<ul style="list-style-type: none"><li>• Designed and executed automated and manual testing workflows to identify system vulnerabilities, improving application security, reliability, and production readiness.</li><li>• Conducted vulnerability scans using Burp Suite, Nmap, and Nessus, identifying critical security gaps aligned with OWASP Top 10.</li><li>• Implemented secure coding checklists and validation processes, reducing recurring vulnerabilities and strengthening backend robustness.</li></ul>	

## Projects

<b>Maven Market Sales Analytics Platform</b> (LINK <a href="#">↗</a> )	Jul 25 - Aug 25
<ul style="list-style-type: none"><li>• Performed data cleaning and transformation using Excel, Pandas, and SQL before dashboard creation.</li><li>• Built a data-driven analytics system using SQL and Power BI to analyze 10,000+ sales records.</li><li>• Led stakeholder requirements gathering, delivering actionable business insights.</li></ul>	

<b>Smart Energy Consumption Analysis and Prediction using Machine Learning</b> (Link <a href="#">↗</a> )	Dec 25 - Present
<ul style="list-style-type: none"><li>• Built an end-to-end machine learning pipeline to analyze and predict household energy consumption from historical time-series data.</li><li>• Trained and evaluated an LSTM-based forecasting model to improve accuracy of future energy usage predictions.</li><li>• Generated device-level insights to support power optimization and reduction of energy wastage.</li></ul>	

<b>Python-Based Network Monitoring System</b> (LINK <a href="#">↗</a> )	Jul 25 - Aug 25
<ul style="list-style-type: none"><li>• Designed and implemented a modular backend system in Python to monitor TCP/UDP/ICMP traffic, processing 1,000+ packets per session.</li><li>• Built logging and alerting mechanisms to detect abnormal traffic patterns, reducing manual inspection effort by 40</li><li>• Optimized packet parsing logic to improve processing efficiency and system performance.</li></ul>	

<b>TKS FARMING – Web-Based Ordering Platform</b> (Demo <a href="#">↗</a> )	May 25 - Jun 25
<ul style="list-style-type: none"><li>• Developed a responsive e-commerce web application using HTML, CSS, JavaScript, and SQL.</li><li>• Implemented backend logic for cart, order processing, and inventory management.</li><li>• Designed normalized database schemas to support scalable growth and data consistency.</li></ul>	

## 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 Algorithms problems on GeeksforGeeks [↗](#)