

Dhayanidhi S

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Summary

B.Tech student specializing in Artificial Intelligence and Machine Learning with strong hands-on experience in data analytics, SQL, Python, 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

Vellore Institute of Technology , Bhopal, Madhya Pradesh, India	Jun 22 - Present
B.Tech in Artificial Intelligence and Machine Learning	CGPA - 8.34
ABS Vidhya Mandhir, Thiruvallur, Tamil Nadu, India	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

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

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

Projects

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

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

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

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

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 [↗](#)