

# Dhayanidhi S

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## Summary

Final-year B.Tech (AI & ML) student with strong foundation in Data Science, Machine Learning, and Statistical Analysis. Experienced in building end-to-end ML pipelines, time-series forecasting using LSTM, and deriving actionable insights from structured datasets using Python and SQL. Seeking entry-level Data Scientist role to apply predictive modeling and analytical skills in real-world business problems.

## Education

VIT Bhopal University, Madhya Pradesh	Jun 2022 – Present
B.Tech in Computer Science and Engineering (AI & ML)	CGPA: 8.35

ABS Vidhya Mandhir, Tamil Nadu	May 2022
Senior Secondary Education	74.8%

## Technical Skills

- **Programming:** Python, SQL
- **Machine Learning:** Regression, Classification, Model Evaluation, Cross-Validation, Feature Engineering
- **Deep Learning:** LSTM, CNN, Time-Series Forecasting
- **Statistics:** Hypothesis Testing, Correlation Analysis, Performance Metrics (RMSE, R<sup>2</sup>, SMAPE)
- **Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow
- **Data Visualization:** Power BI, DAX
- **Databases:** MySQL
- **Tools:** Git, Linux

## Work Experience

Infosys Springboard Virtual Internship	Dec 2025 - Present
AI Intern	

- 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.

Auriseg Consulting Pvt. Ltd.	Nov 2024 - Jan 2025
Vulnerability Assessment and Penetration Testing Intern	

- Designed and executed automated and manual security testing workflows, identifying and remediating critical vulnerabilities to strengthen application security and ensure production readiness.
- Conducted vulnerability assessments using Burp Suite, Nmap, and Nessus, uncovering high-risk issues aligned with OWASP Top 10 standards.
- Analyzed authentication, authorization, and input validation flaws, and implemented secure coding practices to reduce recurring vulnerabilities and improve overall system stability.

## Projects

Smart Energy Consumption Prediction (LSTM Time-Series Model) ↗	Dec 2025 - Feb 2026
• Built an end-to-end time-series forecasting pipeline using Python, performing data preprocessing, feature engineering, and sequence generation.	

- Developed and trained an LSTM model using TensorFlow to predict household energy consumption.
- Evaluated model performance using RMSE, R<sup>2</sup>, and SMAPE, generating insights for demand planning and energy optimization.

Maven Market Sales Analytics Dashboard ↗	Jul 2025 - Aug 2025
• 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.

AI Web Vulnerability Scanner (AI-Based Classification Engine) ↗	Jan 2026 - Feb 2026
• Developed a Python-based application integrating rule-based vulnerability detection with AI-assisted risk classification.	

- Implemented automated detection logic for common web vulnerabilities such as SQL Injection and XSS.
- Built a structured reporting pipeline to summarize detected vulnerability patterns and risk severity levels.

## Certifications

- Machine Learning with Python ↗
- Power BI Data Analytics ↗
- Privacy & Security in Online Social Media ↗

## Co-Curriculars

- Gen AI Hackathon (Accenture ↗)  
Solved 100+ Data Structures and Algorithms problems on GeeksforGeeks ↗