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

Vellore Institute of Technology , Bhopal, Madhya Pradesh, India   Jun 22 - Present
B.Tech in Artificial Intelligence and Machine Learning   CGPA - 8.35
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
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 24 - Jan 25
Vulnerability Assessment and Penetration Testing Intern
- 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
- 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
- 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
- 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
- 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 ⤤