DARSHAN SURAMPALLY

CSE Student

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GitHub | **LinkedIn**

Education

Shree swaminarayn gurukul international school	**Grade:- 1st class**
class4-class10	2014 - 2020
Expert Pre-University	**Grade:- distinction**
PCMB	2020 - 2022
Sir M Visvesvaraya Institute of Technology	**CGPA 8.50**
Computer Science and Engineering (B.E)	2022 - 2026

Skills

Programming Languages:	C, C++, Python
Libraries/Frameworks:	Full stack development, DSA, Operating System , Computer Networks, Machine Learning, Pandas, Matplotlib, Seaborn .
Tools / Platforms:	Git, VS Code, Jupyter, PyCharm
Databases:	MySQL, MongoDB

Experiences/Projects

Website Design and Development(internship)　　　　　　　　　　**Dec 2023 - May 2024**

- Completed an internship in website design and development, focusing on both frontend and backend technologies. Gained expertise in creating responsive user interfaces, implementing interactive features, and developing robust server-side functionalities to deliver full-stack web solutions.

Stethoscope guided by Artificial Intelligence　　　　　　　　　**Sept 2024 - Dec 2024**

- The project integrates AI and machine learning to analyze sounds detected by a stethoscope, such as heartbeats and lung sounds. The AI identifies patterns in these sounds to assist healthcare professionals in diagnosing conditions like arrhythmias or lung diseases in real-time. The system provides immediate feedback, stores patient data for tracking, and improves its diagnostic accuracy over time.

Water Quality Index(Mini-project)　　　　　　　　　　　　　　**Nov 2024 - Dec 2024**

- Developed a Water Quality Index, system to analyze and assess water quality based on various parameters such as pH, turbidity, temperature, dissolved oxygen, and more. Utilized data analysis techniques to process sensor readings and calculate a composite score, helping to determine the overall water quality.

Expense Caluclator(Mini-project)　　　　　　　　　　　　　　　**Dec 2023 - Jan 2024**

- This project integrates the front-end development which includes HTML,CSS and JavaScript used to calculate the expenses by considering the budget.

Certifications

- Full Stack Website Design and Development - **InternshipStudio**
- Data Structure and Algorithms - **Infosys SpringBoard**
- Computer Networks and Operations - **Udemy**
- Foundations of CyberSecurity- **Coursera**

Workshop & Competitions

- Git and Github Workshop-The workshop taught me how to manage code versions and collaborate on projects using Git and GitHub.
- Iot workshop - Attended a IoT workshop for gaining practical experience in sensor integration, data transmission, and IoT application development.