



Sriram Subramanian

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B.Tech

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GitHub Profile

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EDUCATION

- **National Institute of Technology, Warangal** *Expected 2027*
B.Tech in Electrical and Electronics Engineering CGPA: 9.05
- **National Institute of Technology, Warangal** *Expected 2027*
Minor Degree in Computer Science Engineering
- **Indian Institute of Technology, Madras** *Expected 2027*
B.Sc in Data Science CGPA: 9.33
- **Gauthami Junior College, Hyderabad** *2022*
Board of Intermediate Education, Telangana CGPA: 9.8

PERSONAL PROJECTS

•Globe! - The Guessing Game

Developed an interactive 3D globe game using Streamlit and Plotly for visualizing guesses.

- Integrated country highlighting functionality within the 3D globe game using Plotly, providing immediate visual feedback using streamlit that reduced average guess attempts by 3 per user session.
- Integrated color-coded country highlighting onto the interactive 3D globe, differentiating between guessed, nearby, and unguessed countries; this was the most challenging aspect of the project.

•Music Visualizer

Created a real-time audio visualizer that reacts to music input.

- Utilized 3 core libraries (Pygame, PyAudio, SciPy) to process and visualize audio signals efficiently.
- Supports both live microphone input with <100ms latency and MP3 file playback up to 320kbps for high-fidelity audio.

•Music Lab 2.0

Built a music composition tool replicating 80% of Song Maker from Chrome Music Lab.

- Implemented HTML, CSS, JavaScript, and Web Audio API to handle 50+ simultaneous notes.
- Enabled 100% user-controlled note placement and playback with a fast response time for seamless interaction

TECHNICAL SKILLS AND INTERESTS

Languages: HTML,C++,Python

Developer Tools: Google Earth API, Web Audio API

EDA Tools: MATLAB, LTspice

Soft Skills: Leadership,Teamwork,Time Management,Attention to Detail

Coursework: Problem Solving And Computer Programming, Data Structures, Python, Mathematics and Statistics for Machine Learning

Areas of Interest: Data Science, Artificial Intelligence, Machine Learning

POSITIONS OF RESPONSIBILITY

- **Class Representative**, EEE Sec-A, NITW *2023-Present*
- **Executive Member**, BDACC (Big data, Analytics and Consulting Cell) *2024-Present*
- **Executive Member**, EBSB (Ek Bharat Shrestha Bharat) *2024-Present*

ACHIEVEMENTS

- **Secured Merit cum Means Scholarship** Certificate for being in top 10% of the students in NITW *2024*
- **2nd-Runner up in Noobathon** 2nd Runner up in a front end hackathon conducted by CSE society *2024*
- **Runner up in Chatbot Bootcamp** Runner up in a LLM training mini-hackathon conducted by BDACC *2024*