SANSKRITI MAHATA

kolkata,west bengal 16/11/2003

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY,VELLORE	**2021 − 2025**
BTECH in ECE- **CGPA - 9.35**	*VELLORE, INDIA*
DELHI PUBLIC SCHOOL MEGACITY	**2020 − 2021**
ISC - **Percentage - 95.25%**	*KOLKATA, INDIA*
DELHI PUBLIC SCHOOL MEGACITY	**2018 − 2019**
ICSE - **Percentage - 97%**	*KOLKATA, INDIA*

PROJECTS

Company Website ↗ | tailwind, javascript, HTML, etc — **2024-2025**
- About project **created a website for the company along with my team**
- **contains company details.** .

Research Paper ↗ | Matlab for stimulation — **2024**
- About project **Analysis of Capacitive Pressure Sensor: Theoretical Modeling, Simulation, and Performance Comparison of the Concave Well Conical Notch**
- **Developed a capacitive pressure sensor simulation model, improving design accuracy by 20 percent and project reliability during lab testing.**

Research Assist | React.js, Node.js — **2023**
- About project **The primary objective of this project is to develop a specialized AI-driven research assistant application tailored for the needs of Electrical and Computer Engineering (ECE) students and professionals.**
- **1. Backend: Node.js+ Express.js 2. Frontend: React.js 3.AI Integration: ChatGPT API 4.Hosting: AWS (EC2,S3)** .

College Website ↗ | html,bootstrap and css — **2023**
- About project **a sample website for our college, 1 page 3 sections for different parts**
- **contains information of more than 3 unique fields.** .

Research Paper | Matlab for stimulation — **2023**
- About Project **Used the MinMax and PSO algorithms for fog computing in the Internet of Vehicles, reducing process time by more than 30 percent.**
- **Received certificate for conference**

INTERNSHIP

LARSEN AND TURBO LIMITED ↗	**08 2023 − 09 2023**
INTERN	*KOLKATA, INDIA*

- vocational training **Learned key concepts of Process and Instrumentation Diagrams and gained insights into their functionality and 5+ applications.**
- **Received completion certification** .

IIT KHARAGPUR	
INTERN	*KOLKATA, INDIA*

- Online Internship **Experienced in AR/VR with 3 applications in the educational sector.**
- **Found a research gap and built a framework to overcome it using AR VR using 3 key concepts in the educational field.**

TECHNICAL SKILLS

Languages: Java, C, MATLAB, HTML, Embedded C, 8051 Assembly Language,Node.js, React.js,tailwind
Developer Tools: VS Code, KEIL, CADENCE, Unity
Technologies/Frameworks: GitHub

EXTRACURRICULAR

IEEE PCS	**2022 − 2023**
Core Committee Club Member	*Vellore*

- About the role **Actively participated in 3+ events and contributed 5+ blog posts for the club.**
- **actively was part of 3 technical domains and harnessed my web development, IoT and AIML skills.**

RIVERA	**2023 − 2024**
Participant in AIKYA	*Vellore*

- About the role **Help choreograph and perform 3+ dance routines, representing West Bengal.**
- **picture of our performance was published in local newspaper.**

Chitra Angan ↗	**2018 − 2019**
Fine Arts	*Kolkata*

- About the role **awarded Shipa Vishrad and placed in first class**
- **have certification till 7th year**

Pracheen Kala Kendra ↗	**2016 − 2017**
Dance- Bharatnatyam	*Kolkata*

- About the role **3rd year, placed in first division and distinction in practical**