



M S SHANMUKHAA

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Education

MADRAS INSTITUTE OF TECHNOLOGY

Bachelor of Technology in Information Technology, **6.52 CGPA**

CHENNAI

November 2021 - July 2025

NRI Institute of Arts and Science Junior College

MPC Branch, The Board of Intermediate Education Andhra Pradesh (BIEAP), **94.6%**

TIRUPATI

March 2021

Gowtham School

Board of Secondary Education Andhra Pradesh (BSEAP), **10.0 CGPA**

TIRUPATI

May 2019

Technical Skills

Languages: SQL, HTML, PHP, JavaScript, Python, C

Developer Tools: Git

Skills: Web Development, Database Management Systems, Cloud Computing, Data Structures and Algorithms, Operating Systems

Other Skills: Fast Learner, Prioritize Tasks, Detail-oriented and able to handle multiple tasks simultaneously.

Projects

- Electricity Bill Calculator :** A console application created by using a linked list data structure in C Language to generate the electricity bill.
- Portfolio Website** Created a personal portfolio website to showcase professional projects, skills, and achievements using HTML, CSS, JavaScript, and responsive design principles.
- DigitSense:** A Python-based system for digit recognition uses image processing and machine learning. It has preprocessing of images, extract features, and classify digits using SVM and CNN models. The system ensures accurate handwritten digit prediction with deep learning techniques.
- Glaucoma Disease Prediction :** A MATLAB-based system for glaucoma detection uses digital image processing and SVM classification. It aids early detection by sharpening images, segmenting optic discs, and calculating CDR.
- Text-to-ISL Gloss Translation System:** Developed a system to convert English text into Indian Sign Language (ISL) gloss to enhance accessibility for the Deaf community. This project was published in the International Journal on Science and Technology (IJSAT), Volume 16, Issue 2, 2025.

Achievements and Languages Known

- Organized club activities and events for the Club Computer Society of Madras Institute of Technology (CSMIT).
- Organized Youth Fest for Youth Red Cross (YRC).
- Selected as Google Cloud Solution Lead for Google Developer Groups On Campus - MIT (formerly GDSC).
- Selected among Top 100 (Rank: 97/1000) ideas in the TNSDC–Naan Mudhalvan Niral Thiruvizha 2.0 Hackathon.

Languages Known: English, Telugu, Hindi, Tamil

Certifications

SQL

HackerRank

Course

August 2023

Python

HackerRank

Course

November 2023

Google Cloud Generative AI

Coursera

Course

February 2024

Google Cloud Computing Fundamentals

Google Skillboost

Course

July 2024