Ganta Jagadeep

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Education

IIITDM Kancheepuram *Chennai, Tamil nadu*
Electronics and Communication Engineering specialized in Signals and Communications *July 2019 - Current*
- **GPA:** 7.1

Narayana IIT-JEE Campus *Narasimhakonda, Andhra pradesh*
Andhra Pradesh Board of Intermediate education *June 2017 - May 2019*
- **GPA:** 9.1

Sri Sai Vidyanikethan School *Nellore, Andhra pradesh*
Andhra Pradesh Board of Secondary Education *july 2010 - Apr 2017*
- **GPA:** 8.3

University Projects

message interpreter for paralyzed patient *Chennai, Tamil nadu*
IIITDM Kancheepuram *July 2021 - Apr 2022*
- Analyzed data from an accelerometer (ADXL345) and discovered patterns in the data that showed the number of swipes in 5 seconds, which were mapped to a set of predefined messages that can be used by the patient.
- These messages were then received by the caretaker. The prototype was implemented using two Arduino nano, an accelerometer, a 16x2 LED display, a pair of RF transmitters and a receiver.

Noise cancelling in audio *Chennai, Tamil nadu*
IIITDM Kancheepuram *Jan 2022 - Apr 2022*
- have implemented an LMS algorithm on an audio signal to filter out the noise.
- This project was implemented virtually on MATLAB.

Pitch correction for singing *Chennai, Tamil nadu*
IIITDM Kancheepuram *Jan 2023 - present*
- implementing a pitch correction algorithm for a singer's voice.
- Will be implemented on a DSP processor with the help of embedded C.

Skills

Programming   Python , MATLAB , C/C++ .
Miscellaneous   LaTeX (Overleaf) , Tableau , Ansys , Microsoft Office.

Languages

English   Professional proficiency
Telugu   Native proficiency
Hindi   Entry-level proficiency