

Vindravth Premchand Pawar

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EDUCATION

IIITDM KANCHEEPURAM <i>Dual Degree(B.TECH + M.TECH) in ECE, signal processing and communication system design.</i>	CGPA-7.83 2019-Present
Sri Chaitanya Jr Kalasala <i>MPC</i>	CGPA-96.3 2017-2019
MB Grammar High School <i>SSC</i>	CGPA-9.5 2017

PROJECTS

Speaker Gender Identification <i>Python</i> <ul style="list-style-type: none">Collected the preprocessed voices of males and femalesUsed MFCC for feature extraction and GMM for classification of modelsTrained the model and testing the model	Mar 2023 – Present
Speech Detection and Estimating the Direction of arrival of sound <i>MATLAB</i> <ul style="list-style-type: none">Recorded the Audio in Real timeVAD is used for finding the Probability of speech in AudioHRTF database is used for filtering of Audio Signal for various source positions	Feb 2022-Apr 2022
Railway Track Crack Detector <i>Arduino</i> <ul style="list-style-type: none">Developed a system to detect cracks in railway tracks using Arduino, ultrasonic sensors, GPS, and GSM modules.The ultrasonic sensors are used to measure the distance between the track and the sensorIf a crack is detected, the GPS module sends the location of the crack to the control center via the GSM module	Feb 2022-Apr 2022
Face Recognition <i>Matlab</i> <ul style="list-style-type: none">This system detects the person present in database by capturing the photo in real timeBasically it converts RGB image into gray colour and extract facial featuresPerformed Convolution,then perform RELU layer,then Polling layer after it will assign weight to a particular images.	Sep 2021-Dec 2021

TECHNICAL SKILLS

Programming Languages: C, C++, PYTHON
Tools: Matlab, Ansys, Multisim, CC Studio, Labview, Design Spark, VS code, Arduino IDE
Embedded: ARM (STM32 Nucleo), DSP Board (TMS320C6748), Arduino UNO
Languages Known: Lambadi, Telugu, English, Hindi

CERTIFICATIONS

Joy of Computing Using Python-NPTEL

POSITION OF RESPONSIBILITY

Public Relation Officer,Optica Student Chapter-IIITDM KANCHEEPURAM
Hospitality Lead,Placement cell-IIITDM KANCHEEPURAM
Co-Ordinator, Mess Committee-IIITDM KANCHEEPURAM

INTEREST/HOBBIES

Meditation, Badminton, Chess