SANDEEP REMESH
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EDUCATION

B. Tech in Computer Science & Engineering

Federal Institute of Science and Technology (FISAT)	CGPA – 7.41/10	**May 2020**
12th grade, Viswajyothi CMI Public School	CGPA – 9.30/10	**Mar 2015**
10th grade, Viswajyothi CMI Public School	CGPA – 9.20/10	**Mar 2013**

COURSEWORK TAKEN: Discrete Computational Structures, Data Structures, Business Economics, Operating Systems, Principles of Management, Database Design

INTERESTED AND KNOWN TECH:

- Python
- HTML
- CSS
- JS
- NODE JS
- REACT JS
- ANGULAR JS
- BOOTSTRAP

INTERNSHIPS

***Summer Intern,* PaceLab** **Jul 2018 - Aug 2018**

A company supporting entrepreneurs, students & faculty members of technical institutions .

Robotics & Internet of Things

- Used servos and Arduino Nano chip to make a moving robot prototype; achieved 70% efficiency in movement

RESEARCH EXPERIENCE

UNDERGRADUATE PROJECT

Music Genre Classification using Machine Learning **Jan 2020 - June 2020**

- Classifying different types of music genres by applying popular computational domain of Machine Learning (ML)
- Built a Convolutional Neural Network that takes in audio data and gives out pattern extractors to use as the input to classifiers such as SVM, Random Forrest etc. to classify different genres of songs

COURSE PROJECTS

Object Recognizing Robot **Jun 2018 - Dec 2018**

- Designed a robot that enacts human behavior such as identification of objects through vision, talking about viewed objects, head movement & closing of eye-lids
- Used Android, ML, Image Processing & Networking for taking a picture, processing image to extract features, labeling image using ML classifiers & using server client communications for receiving images and sending results
- Observed the accuracy percentage depends on employed ML classifier, the dataset used and other environmental factors such as illumination, occlusion etc.; enabled the robot to recognize people & objects that it learned from dataset.

WORKSHOPS

- Attended a 1-day workshop on Augmented Reality conducted by NIT Calicut, Oct 2019
- Attended a 1-day workshop on Google's Applied CS with Android conducted by Google Campus facilitator at FISAT, May 2017
- Attended a 1-day workshop on Augmented Reality conducted by NIT Calicut, Oct 2019

AWARDS AND EXTRA-CURRICULAR ACTIVITIES

- Conductor, Hour of Code, ACM FISAT Student chapter: Organized Hour of Code (Educational session) at FISAT for 60 participants; responsible for taking a fun as well as informative session on coding, Dec 2018
- Secured 3rd place among 30 students in a Coding Competition conducted by FISAT, May 2018
- *Team Lead (team size: 6)*, qualified to finals among 20 other teams in Smart India Hackathon (national level coding competition) organized by Govt. of India at Kolkata, Apr 2017

LANGUAGES: English (Read/Write/Speak); Hindi (Speak)