

CONTACT



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Sai Ravi Teja Gangavarapu

UG Student CSE

Mahindra University, École Centrale School of Engineering
Hyderabad, India

floaredor.github.io

github.com/FloareDor

Education

Engineering

Mahindra University

12th / A-Levels (CAIE)

Kennedy High the Global
A 2020

10th / IGCSE

Ambitus World School
B year

Core

Algorithms

Machine Learning

NLP

ACHIEVEMENTS

Selected as an NVIDIA
student ambassador for
India for 2022-2023

Fastest Swimmer
Xth Class, 2018

Best All Rounder
Xth Class, 2018

Best Performer
AS level, 2019

Participations

NASSCOM T-AIM
2022

Sirion Labs Hackathon
2022

IIMUN 2019

PROFILE / Objective

Distinctly curious and zealous person, always working on multiple projects or tinkering with the computer to keep myself busy at peace. Love to explore and play around with technology that is new to me.

Major / Course / Volunteer Projects

1. Title : Intelligent Chatbot

June 2021

Description: Built a multi-functional web scraping discord bot that can act as a dynamic emotion based chat bot. Tools used: Keras, Praw and discord.py

2. Title : Application of Genetic Algorithm in video games

July 2021

Description: Utilized NEAT algorithm to train a model to never lose the game, Flappy Bird.

3. Title : E2E Encrypted Chat App

Aug 2021

Description: A fully E2E encrypted chat room based on TCP protocol and the RSA Algorithm.

4. Title : ScapeGan

September 2021

Description: Built a basic functioning GAN from the ground up using Pytorch and deployed a Generative Adversarial Network (stylegan2) on a DGX-1 to generate Earth Landscape images. Made a bot to download data from a particular subreddit for the same. [Example GIF of the progress](#)

5. Title : Audio Similarity Application

Dec 2021

Description: Built an application that helps music producers by finding the most similar sound sample to a specific sample.

6. Title : Floareum (1 Month)

Dec 2021 - Jan 2022

Description: A (private) (POW) Cryptocurrency that works on the network which has been implemented from the ground up using Requests for worldwide transactions and ECDSA algorithm for authentication.

7. Title : BEACON (Remote compute cluster)

Project Mentor : Praveen Kumar Alapati

Jan 2022

Description: Setup a remote compute cluster and used Slurm + MPI to deploy parallel mathematical programs. And then helped build a physical Octa-Raspberry pi cluster.

KEY

LANGUAGES

C, C++, HTML5, PYTHON, JS,
JAVA, GDScript, Bash UNIX shell,
SQL, C#

TOOLS AND LIBRARIES

Git, Tensorflow, Open CV, MATLAB,
PyTorch, NLTK, Figma, MySQL,
Linux

Volunteered

CSIS ASHA

National Workshop
(2022)

MURS

Undergraduate Research
Symposium
(2021)

Language

English

Telugu

Hindi

Hobbies

Music Production

Ambient / Electronica

Performing

Guitar and vocals

Astrophysics

I study this for the funzies.

Stargazing

It helps me perceive life from
interesting perspectives.

8. Title : Music Generator

Project Mentor : Sanatan Sukhija

May 2022 - June 2022

Description: Built a music generator which uses midi files as input and generates output audio, utilizing multi-layer LSTM RNN network.

9. Title : Baja IOT (1 Month)

May 2022

Description: Operated with Raspberry PICO and I2C protocol to obtain, display and store the wheel speed of a buggy. Secondly, worked on wiring the electrical components of the vehicle.

10. Title : Websites

June 2022 - July 2022

Description: Built multiple websites from the ground up for an SMMA Agency, portfolio and a chat site with decentralized storage and E2E Encryption. Tools used: Figma, React.js, Three.js, tailwind.css, Gun.js.

11. Title : [Sentimental Analysis on the Ukrainian President](#)

[WIP Paper](#)

Project Mentor : Yayati Gupta

July 2022 - Ongoing

Description: Scraped a week's worth of twitter data, performed sentimental analysis and presented the results on a paper format.

12. Title : Song Similarity using unsupervised deep learning

Project Mentor : Dr. Prafulla Kalapatapu

Ongoing

Description: Working on determining song similarity using Adversarially Learned Inference, focusing on Indian classical music.

13. Title : Predictive analysis on market crashes

Project Mentor : Bhargava Rajaram

Ongoing

Description: building a predictive analytics model to predict economic market crashes by utilizing news headlines, index data and twitter data over 25 years of time.

14. Title : Untapping customer preferences for handicrafts products based on Bayesian network approach.

Oct 2022 - Nov 2022

Description: Submitted to publish in the Strategic Entrepreneurship journal.

Clubs / Mentor / Student Chapters

Enigma Club: President

Role Responsibility : Leading a team of 15 to build a community around Computer Science at Mahindra University.

Duration - 04/2022 - Now

Enigma Club: Technical Team Member -> Projects Team Lead

Role Responsibility : Helped host tech events and sessions, building projects, presenting at tech sessions. Assisted students in building several projects based on NLP, Discord Dev and gamedev.

Duration - 12/2021 - 04/2022 | 04/2021 - 12/2022

Synolo Club: OC Member

Role Responsibility : Organized music events and performed.

Duration - 11/2021 - 04/2022

Mastershot: Music Director

Role Responsibility : Lead the music team of the club, conduct interviews, compose and arrange music for films.

Duration - 01/2022 - Now