SAI VINEESH CHENNAMSETTI

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RESEARCH

Undergraduate Researcher

Signal Processing and Communication Research Center

📅 May 2021 – Present   📍 IIIT Hyderabad

- Working on modeling and analysis of Reflective Intelligent Surfaces assisted cellular networks using stochastic geometry.
- Focuses on improving SINR and Coverage in N-LOS mobile networks.

EDUCATION

B.Tech. and MS in Electronics and Communication Engineering

International Institute of Information Technology Hyderabad (IIITH)

📅 Aug 2019 – Present   📍 Hyderabad, Telangana India

- CGPA - 7.20
- Expected Graduation - 2024

SKILLS

Programming
- C, C++, Python, Matlab

Development Frameworks
- HTML, CSS, JS, ReactJS

Familiar with (Misc)
- OpenCV, Numpy, MySQL , Mongodb , Verilog, Arduino

Operating Systems
- Linux

COURSE WORK

- Data Structures and Algorithms
- Statistical Methods in AI
- Operating Systems and Networks
- Digital Image Processing
- Introduction to Processor Architecture
- Communication and Controls in IoT

ACHIEVEMENTS

- Secured 101 AIR in UGEE.
- Secured 607 rank in AP EAMCET.

OTHER ACTIVITIES

- Apex committee student mentor.
- Coordinator of the college cricket team.

PROJECTS

C Shell
- Created a shell using the system calls.
- Supports execution of basic commands, Input-Output redirection & Pipelines, manages Environment Variables, Signal handling. *[C]*

Task Tracker App
- A web application built using ReactJS for creating and managing daily tasks.
- JSON server is used as a mock backend for storing and retrieving the tasks at a later time. *[ReactJS]*

Database CLI
- Designed and Developed a SQL Database CLI that manages Retrieval, Updation, Relationships in a Secret Agency Mini World. *[Python, SQL]*

Brick-breaker
- Developed a terminal-based brick breaking game, with multiple levels and powerups using Object-Oriented Design principles. *[Python]*

Image Inpainting
- A Graphical User Interface, Implemented non-local superpixel-based inpainting algorithm.
- It takes the image which has a damaged portion or for removing an object and gives output Image with rectifying the portion or removes the object that is specified. *[Python]*

Character Level Convolution Networks for Text Classification
- Applied Convolution networks for Text classification
- Compared Char-CNN with LSTM on the Yelp polarity review dataset. *[Tensorflow]*

SigmaZero: An AI Chess Engine
- Implemented a Chess Engine using Monte Carlo tree through nodes in a recursive manner. *[Python]*