

Madhu Kandukuri

B.Tech | Electronics and Communication Engineering | Griet Hyderabad
Madhu.kandukuri683@gmail.com | (+91)9573673706

EDUCATION

UNDERGRADUATE (ECE)

GRIET HYDERABAD | 2022

CGPA: 8.3/10.0

DIPLOMA (ECE)

GOVT POLYTECHNIC COLLEGE

MASABTANK | 2019

Percentage: 85.8/100

MATRICULATION (SSC)

PANCHA SHEELA HIGH SCHOOL | 2016

GPA: 9.2/100

COURSEWORK

UNDERGRADUATE

Computer Programming

Introduction to Machine Learning

Digital Logic and Design

Communication Systems *

Signal and Systems

Linear Algebra and Calculus

Probability, Statistics and Random

Processes

Microprocessor and Micro Controllers*

MOOC

Introduction to Internet of Things

The Joy of Computing using Python

SKILLS

PROGRAMMING LANGUAGES

- C
- Java
- SQL

OTHERS

- Data Structures and Algorithms
- RDBMS
- Platforms: Windows, Linux

LINKS

Website:// [Madhu Kandukuri](#)

Github:// [Madhu683](#)

LinkedIn:// [Madhu Kandukuri](#)

LeetCode:// [Madhu683](#)

Codeforces // [madhusudhan683](#)

Hackerearth // [madhusudo683](#)

HackerRank // [madhu_kandukuri1](#)

PROJECTS

BRAIN TUMOR CLASSIFICATION | JUNE 2021 – MAY 2022

Major Project | GRIET Hyderabad | Github

- The main objective of the project is to predict brain tumors using Convolutional Neural networks and Probabilistic Neural networks.
- Networks are built with Matlab Deep learning tools and compared to both networks' performance using their results.
- Networks are trained with 70% of the data set and the remaining 30% is used to test the network.

REMOTE MOTOR CONTROL USING IOT | DEC 2021 – MAY 2021

Mini Project | GRIET Hyderabad | Github

- The project aims to provide the user with the facility of turning on/off a motor that is remotely located from the mobile app.
- ESP32 module is used to connect to the Internet and fetch the motor command from the cloud database.
- The cloud database used in the project is Google's Firebase which is a No-SQL database.

TIC TAC TOE | FEB 2020 – APRIL 2020 Github

- Designed and developed a tic tac toe gaming app using React Native.
- Used the react hooks component of React Native to set values in the correct position.

PUBLICATIONS

BRAIN TUMOR CLASSIFICATION AND SEGMENTATION IN MRI IMAGES USING PNN AND CNN

IEEE | ICEARS 2022

- Image features and characteristics are extracted using GLCM and fed to a Probabilistic neural network to predict the type of brain tumor
- Concluded that CNN is better than PNN by comparing their results.

INTERNSHIPS

CYBER SECURITY VIRTUAL INTERNSHIP PROGRAM

Cisco Network Academy | 2022

- Learned threats of cyber security to protect our devices from viruses.
- Configure Network settings and database creation using Linux.

DEVELOPER PROGRAM VIRTUAL INTERNSHIP

Accenture | 2022

- Understood priorities and formulated measurable requirements.
- Point out what data are considered sensitive personal data and advise the client on how to proceed with the planned machine learning algorithm.

EXTRA CURRICULARS

- **Competitive Coding:** Hackerrank ([madhukandukuri1](#)), LeetCode ([Madhu683](#)) and Hackerearth ([Madhusudo683](#))
- Participated in Uber HackTag2.0
- Participated in Google Kick start