Guna Sai Kiran Nekkanti

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Education

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY NAGPUR

BTech in Electronics and Communication Engineering

- Expected Graduation: July 2024
- CGPA: 7.45

Links

GitHub **Guna saikiran**
Linkedin **Guna Sai Kiran**
Website **Guna Sai Kiran**

Coursework

UNDERGRADUATE

Electronic devices and circuits
Network Theory
Data Structures
Computer Architecture and Organisation
Digital Electronics
Hardware Description Language
Signals And Systems
Electro Magnetics
Microprocessors
Embedded Systems
Wave Guides And Antennas
Analog Communication
Digital Communication
Object Oriented Programing

Skills

Fast Learner• Problems Solving• Leadership• English Proficiency

Tech Stack

PROGRAMMING

Python • C/C++ • HTML/CSS •Java • Verilog • VHDL • SQL • JavaScript • PHP • OOPS

SOFTWARE

Keil • LaTeX • Matlab • Microsoft Office • VSCode • Git • Shell • Proteus • Xilinx

OPERATING SYSTEMS

Windows • Linux

COMMUNICATION

English• Telugu

DEVELOPMENT BOARDS

Raspberry pi• Arduino

Achievements

GATE 2023

EC Paper - Qualified

Experience

CORE TEAM MEMBER

Ace-Ecell IIITN
Sep 2021 – Present

- Member of Management team.
- Managed social media handles of the event.

CORE TEAM MEMBER

Probe IIITN
June 2021 – Present

- Provided Content for blog posts on the website.

Competitions

COMPLEX LEVEL

Smart India Hackathon

- We were a team of 5 members named Team SAAVY working on a system that reports accidents to nearest police station and hospital.

Academic Projects

SIMPLE SNAKE GAME

May 2021
This is a Simple snake game, designed using HTML, JAVASCRIPT and CSS. ”responsive game design”.

CRYPTOCURRENCY ANALYSIS

Nov 2021
A project that analyses data from 2015 to 2020 and discover patterns in the data such as trends, co-relations, probabilities, and used tools such as matplotlib, Pandas, Seaborn for data visualization.

SPEED CONTROLLER OF DC MOTOR

Nov 2022
This project is designed to control the speed of a DC motor using PWM control using 555 IC. The speed of the DC motor is directly proportional to the voltage plied across its terminals..

ANTENNA

Nov 2022
Design and simulation of Broadside Array Antenna resonating at 2GHz Using CST-Studio.