Racha Manideep

Roll No: 2020231, **Email:** racha20231@iiitd.ac.in

DOB: January 23, 2003

Address: HNO 6-1-87, Chaitanya Residency, FLAT NO 201,
Kankara Board, Mahabubabad, Telangana,
Pin - 506101

Education

Indraprastha Institute of Information Technology, Delhi B.Tech(ECE) 2020 - Present	**CGPA:** 6.75
Narayana Junior College, Hyderabad, Telangana Telangana State Board of Intermediate Education 2018 - 2020	**Percentage:** 93.7
Maharshi Vidyalaya, Mahabubabad, Telangana Board of Secondary Education Telangana State 2017 - 2018	**CGPA:** 9.7

Skills

Expertise Area	Data Structures and Algorithms, Object Oriented Programing
Programming Language	Python, Java
Tools and Technologies	Github, VS code, IntelliJ, PyCharm, Canva, Figma, Matlab, Jupyter, Matplotlib, Tinkercad, Vivado, LT spice, Blender, Arduino IDE
Technical Electives	Introduction to Programming, Data Structures and Algorithms, Advanced Programming

Projects

Snake and Ladder ([GiHub](#))   (Nov 21 - Dec 21)
Guide: Dr. Koteswar Rao Jerripothula
Created replica of famous multiplayer game Snake and
Ladder.
Tech Stack: Java, JavaFx

Wasto([Presentation GitHub](#))   (Aug 22- Nov 22)
Developed a website for better waste management; it uses   Team Size- 4
DL and CV libraries for waste classification.
Tools and Technologies: Python libraries such as Pandas,
NumPy, TensorFlow, Scikit-learn, Matplotlib, OpenCV, Arduino

Clap Control Switch   (Jan 22 - Feb 22)
Guide: Dr. Abhijit Mitra
created a clap-activated circuit that turns on with four claps in
10 seconds and off with two claps in the same duration
Tools and Technologies: LTspice

Experience

• **Undergraduate Student Researcher**   (Jan 23 - present)
 Guide: Dr.Rajiv Ratn Shah ([MIDAS Lab](#))
  ➢ My role includes working with sensors and
    Microcontrollers and writing Arduino code for
    'Environmental sensing' project.
  ➢ Design a 3d model to hold the IOT in blender

• **Undergraduate Student Researcher**   (Aug, 22 - Dec,22)
  Guide: Dr. Tarini Shankar Gosh
  ➢ Created and curated sample datasets for
    finding core of the gut microbiome.
  ➢ Converting existing algorithmic solutions
    written in R into equivalent Python code.

• **Web Developer & Designer**   (Aug 22 – Nov 22)
  ➢ Designed and Developed website for [IIIT Delhi 11th
    Convocation 2022](#)

Positions of Responsibility

• I handle content and Design of social media pages of HCD, IIITD
• I manage events like workshops/Hackathons/webinar/competitions conducted by
  HCD department.

Interests and Hobbies

• Volleyball
• Gaming
• Cooking

Declaration: The above mentioned information is correct to the best of my knowledge.
Racha Manideep
Date:June 25 , 2023