AVANTIKA MUDUMBAI

Student at IIIT Bangalore

EDUCATION

Integrated Masters of Technology, CSE

International Intitute of Iinformation Technology
Bangalore, Karnataka

📅 2019 – Present

CGPA: 3.45/4

Senior Secondary Education

Fiitjee Junior College
Hyderabad, Telangana

📅 2017 – 2019

Percentage: 92%

ABOUT ME

I am a third year student in International Institute of Information Technology, Bangalore. I am pursuing an integrated MTech degree in Computer Science Engineering.

FIND ME ON

- avantikaaa
- Avantika Mudumbai
- Avantika Mudumbai
- @__avantikaa
- avantika.mudumbai@gmail.com

ORGANISATIONS

Core Outreach Team

2019 – 2020
Infin8, the cultural fest of IIITB
Managed to get representation from over 70 colleges and 20 companies all over India.

Chhayachitra

2019 – 2020
Core member: Worked to cover various events held in college, including the Ramanujan Math and IT (RMIT) conference.

ACHIEVEMENTS

Women Techmakers Engineering Fellows Scholar

2020 – Present

5th position in ZenseCTF

2020

Microsoft Engage, 2021

Mentee in the Microsoft Engage

Flipkart GRiD 3.0 (2021)

Qualified the first round of the Information Security Round.

EXPERIENCE

Reseach Intern at IIIT Bangalore

📅 May 2021 – July 2021

Integrated existing code for the marching cubes algorithm with code to visualise the structures in 3D. Implemented the algorithm to generate the contour trees of the iso-surfaces.

Co - founder & Host

#include <people.h>

📅 July 2020 – January 2021

This is a podcast that mainly focuses on how different people perceive life. We try to bring values, opinions and experiences from different people in an attempt to learn something new. We have over 2500 plays within the release of 8 episodes

SKILLS

Python | Java | C++ | C | NodeJS
Verilog | LaTeX | Linux | Git | Algorithms
Data Structures | Discrete Mathematics

PROJECTS

Multiple Client Quiz | Python

Used the python socket module to implement basic client-server interaction in the form of a simple quiz.

IAS Architecture | Python

This is a basic implementation of the IAS machine. It uses a file as its memory. There is a separate file to show the change in the memory after the program is executed.

Routing System | Java

The project lets you add hubs, trucks and highways to a network. There is a basic UI implementaion to show the movement of a truck from its source location to the destination location via the network.

Game of Life | Python

The project is based on John Conway's Game of Life. This implements the rules on a simple, fixed-sized grid with a shape chosen by the user(from a given set of shapes).

Asset Scanner | Python

This is a simple application which helps you to discover the devices on your network.

VOLUNTEERING EXPERIENCE

- **Ramanujan Math and IT conference (2019)**
- **Yamini - Spic Macay Chapter of IIITB (2019)**
- **Inclusive STEM Confluence at IIITB (2020)**