Naitik Malav

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Education

1. **Indian Institute of Technology, Hyderabad** **July'2019 – May'2023**
   Bachelor of Technology, Computer Science and Engg. ***CGPA: 8.00/10***
2. **Shiv Jyoti Senior Secondary School, Indra Vihar** **2019**
   Class-12th, Board of Secondary Education, Rajasthan. ***Percentage: 93.2/100***
3. **M.B. International School** **2017**
   Class-10, Central Board of Secondary Education. ***CGPA: 10/10***

Technical Skills

- **Languages:** C, C++, Python, HTML, CSS*, JAVA* (*exposed to but not proficient in)
- **Tools:** Git, LaTeX, VS Code, Gnuplot, MIPS, Solid Edge, Linux Command Line.
- Basic Web Development using HTML and CSS.

Projects

Canvas – A programming language
Project done in Principles of Programming Languages under Prof. Ramakrishna Upadrasta **December'2020**

- General purpose language featuring **OOP's** concepts.
- Presentation Video.

Multi-threaded Graph Coloring Algorithm
Project done in Operating Systems under Prof. Sathya Peri **March-April'2021**

- Using Coarse-Grained and Fine-Grained lock algorithm in C++.

Simulating COVID-19
Project done in Data Structures under Prof. M.V. Panduranga Rao **April'2020**

- Graph simulation over a period of time and evaluating no. of infected, recovered and susceptible people using infected rate, recovery rate.

16 Ways to Stack a Cat
Project done in Principles of Programming Languages under Prof. Ramakrishna Upadrasta **Feb'21-March'21**

- 16 ways of stack implementation, featuring OOP's concept, according to the research paper *16ways to stack a cat* by Bjarne Stroustrup.

The Famous Korean-Restaurant Problem
Project done in Operating Systems under Prof. Sathya Peri **April-May'2021**

- Implementing locks by using semaphores in C++.

Relevant Course

Core Courses: Data Structures, Algorithms, Operating Systems, Principles of Programming Languages, Compilers-1, Discrete Structures, Introduction to Programming, Computer Architecture, Theory of Computation, Introduction to complexity theory.

Maths Courses: Probability, Random Process, Elementary Linear Algebra, Complex Variables, Transform Techniques, and other mandatory courses.

Scholastic Achievements

- JEE ADVANCED AIR – 2038, JEE MAINS AIR – 3006
- 2nd Runner up in Elan&nVision for Exoskeleton Arm

Extracurricular

- **Position of Responsibilty:** Mess Committee Member for the academic year 2019-2020.
- **Hobbies:** Gymming, Action-Adventure Games and Cooking.
- **Interests in:** Programming, Running, Cycling and Swimming.