
SAI SRUJAN. Y

Indian Institute of Technology, Tirupati (IITT)

Computer Science Engineering | B.tech

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EDUCATION

Indian Institute of Technology, Tirupati | B.tech | JULY 2019 - JULY 2023

Computer Science and Engineering

CPI - 8.7/10

PROJECTS

Graph Algorithm Visualizer | Personal project | Using React

- This page can visualize different graph algorithms(Dijkstra, DFS, BFS) on the grid.
- <https://srujan-visualizer.herokuapp.com/>

Mips Simulator | Personal project | Using python

- This tool simulates the output of a MIPS file.
- This tool has been enhanced with optional pipeline forwarding.
- [Github Repo](#)

Solve Sudoku | Personal Project | Using ReactJs,Html,CSS,Js

- This page can generate random sudoku puzzles for users to solve.
- Various options are provided to choose from such as easy /medium /hard /random.
- The page also validates the sudoku puzzle that has been solved.
- <https://saisrujan18.github.io/Sudoku/>

Make It Smart Game | Team Project | Using Unity Engine, C#

- A newbie can learn what smart city development is by playing this game.
- My work on this project included animation and scripting.

Official Academic Portal of IIT Tirupati | TeamProject | UsingReactJs, MongoDB

- This project aims to provide the students of Indian Institute of Technology Tirupati with notes, assignments, and all academic resources they should need.
- In this project, I was responsible for UI design and front-end development.

User Management System in Banks | Personal Project | Using Java

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- If these programs are given access to the database then they can perform all the functions like withdrawals, deposits, transfers, and many other complex operations.
 - With this project, I have mainly attempted to employ OOPS principles and maximize code reusability.

SKILLS

Programming Languages

- Python.
- Java
- C++ , C
- MERN stack
- ReactJs
- Html CSS JS
- Unity Engine (2D).
- Assembly Language

Technical Skills

- Competitive Coding
- Full-Stack Web Development
- Problem Solving
- Game development
- Mathematics

Utilities and Tools

- Unity
- Visual Studio
- Linux (Beginner level)

Languages

- English
- Hindi
- Telugu
- Spanish(Beginner)

SCHOLASTIC ACHIEVEMENTS

- Secured **AIR 3550** in JEE(Advanced) among 0.2 million students.
- Secured **AIR 87** in B.arch examination.

RELEVANT COURSEWORK

- Computer Architecture and Design
- Data Structures and Algorithms
- Programming Methodology
- Python and OOPS concepts
- Discrete Mathematics
- Full-stack web development Bootcamp

POSITION OF RESPONSIBILITY

- Coordinator of IITT's budding coding club.
- Served as captain of IIT Tirupati's Badminton 2020 team.
- Worked as an integral member of the logistics team of Tirutsava.