

Varul Srivastava

B.Tech in Computer Science - International Institute of Information Technology, Hyderabad

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Hyderabad, Telangana, India

http://vs666.github.io

Formal Education/Degree

Class X

St. Joseph's College, Allahabad (ICSE Board)

March 2017

Allahabad, Uttar Pradesh

94.6%

Class XII

St. Joseph's College, Allahabad (ISC Board)

March 2019

Allahabad, Uttar Pradesh

98.75%

Bachelor's Of Technology - Computer Science

International Institute of Information Technology, Hyderabad (IIIT H)

August 2019 - Ongoing

Hyderabad, India

9.55 CGPA

Noteworthy Projects

Pied Piper

Algorithms Analysis and Design Project

October 2020 - November 2020

IIIT, Hyderabad, India

- Coded up a self-designed data encryption algorithm using concepts of Elementary Cell Automaton
- Made SSH-type Encrypted Protocol for Remote access to Systems
- Worked on code for SHA-512 and its optimization using Cellular Automaton
- Worked on Arithmetic Compression and Image Compression using C

PC Cart

SummerUp Hackathon - E-Cell IIIT Hyderabad

May 2020 - July 2020

IIIT Hyderabad, India

- Pitched Idea for a website that extracts minimum price of any given product from different sources, and displays it to user.
- Designed and Made entire website (Frontend and Back-end) using React JS, Node JS and Express. Added user login features, search features.
- Wrote Python Script to extract links, images and prices of products from different E-commerce websites.
- Tech Stack used : ReactJS, NodeJS, Express, Axios, Python.

Crazy Shell (crash)

Operating Systems and Networking

August 2020 - November 2020

- Coded custom built shell with additional commands
- Made a multi-client server communication to allow to execute shell commands on the server via client login and Download files from server to the client

Areas of Interest

- Data Structures and Algorithms
- Data Compression
- Data Encryption and Cryptography
- Operating Systems and Networking

Courses Taken

- Data Structures and Algorithms
- Algorithms Analysis and Design
- Operating Systems and Networking
- Data and Applications (Databases)
- Introduction to Software Systems
- Introduction to Internet of Things
- Probability and Statistics
- Linear Algebra
- Discrete Structures
- Deep Learning and Neural Networks (Coursera)

Technical Knowledge

- Languages Experience: C, C++, Javascript, Python, Bash
- Web Development: React JS, Node JS, Express, Axios, Flask, p5.js
- Databases: MySQL
- Other Tools: Git, Latex, Linux, x86 Assembly
- Cellular Automaton, Data Compression, Data Encryption, Operating Systems(majorly Linux), Web Automation, Web Scrapping, Data Structures and Algorithms.

Achievements

Dean's List

IIIT Hyderabad

- Placed in dean's List in Monsoon-2019 for being among top 5% academic performers of the semester.

Other Experiences

Corporate, Events and Logistics Team

Electronics and Robotics Club, IIIT Hyderabad (ERC-IIIT H)

July 2020 - Present IIIT, Hyderabad, India