

Varul Srivastava

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Skills

Programming Languages:

C, C++, Java, Javascript, BASH, Python, Fortran90, x-86 Assembly

Computer Science Specific:

Data Compression, Data-Structures and Algorithms, Graph Theory, Frontend, Backend, Web-Scrapping and Automation, Algorithms Design, good knowledge of Linux.

APIs :

React Js, Express Js, beautifulSoup4, Axios, Node Js, Flask, SQLAlchemy.

Courses Completed:

Data Structures and Algorithms
Computer System Organisation
Introduction to Software Systems
Introduction to Internet of Things
Discrete Mathematics
Linear Algebra
Digital Systems & Microcontrollers
Introduction to Programming in C
Real Analysis

Courses Ongoing:

Deep Learning and Neural Network
Operating Systems
Design and Analysis of Algorithms
Probability and Statistics
Data and Applications (databases)
Cryptography
Computer Networking

Github : [vs666](#)

LinkedIn : [Varul Srivastava](#)

Codeforces : [AH666](#)

Codechef : [varul666](#)

I believe that knowledge and creativity are the solutions to all problems. I have always focused on reverse-engineering things, drawing analogy between different technologies and real-life objects and thinking of ways to implement a future version of an existing technology.

Problem solving has always been a means to find closure on material I have studied, and I feel these qualities can prove advantageous for both, the company and myself.

Education

International Institute of Information Technology, Hyderabad

Bachelor of Technology in Computer Science (Studying)
CGPA : 9.52/10 [Currently in Semester 3]

St. Joseph's College, Allahabad

Class 12th (Mathematics + Computer Science stream) : 98.75%
Class 10th : 94.6%

Experience

Corporate Team, Robotics Club IIIT Hyderabad

I have joined the corporate and sponsorship team of the Robotics Club of IIIT Hyderabad in July 2020

Projects

PC-Cart

It is a full fledged E-commerce platform where users can search for various parts of a PC and find the smallest cost for the same product from various E-Commerce websites.

Some features are:

WebScraper to find minimum cost of a product across different websites

User ID creation, login, and add-to-cart saving option

Search bar for fast search

sMALL (currently under production)

sMALL is a data compression platform that provides all the ways of compression of data as Static Huffman combined with Burrow Wheeler Transform and RLE, Arithmetic Compression and much more.