

YASH KUMAR VAIBHAV

Software Engineer

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CodeForces | LinkedIn | CodeChef | GitHub

EDUCATION

Indraprastha Institute of Information Technology Delhi (IIIT Delhi)

New Delhi

M.Tech - Computer Science and Engineering

July 2025 - June 2027

CGPA: 9.33

Thapar Institute of Engineering & Technology

Patiala, Punjab

B.E. - Computer Science and Engineering

August 2029 - July 2023

CGPA: 7.08

Red Rose School

Deoghar, Jharkhand

Class XII - PCM

2017 - 2018

Percentage: 72.4%

Jawahar Navodaya Vidyalaya

Deoghar, Jharkhand

Class X

2015 - 2016

CGPA: 10

EXPERIENCE

SivaTech Solutions | Software Engineer

Mumbai, Maharashtra | January, 2023 - June, 2025

- **Backend Systems Development:** Designed and optimized *C/C++* code for high-performance backend systems, ensuring scalability and low-latency operations.
- **Algorithm & Data Structure Optimization:** Implemented custom *data structures and algorithms* to reduce system latency by **40%** and improve throughput.
- **Performance-Critical Code Optimization:** Refactored legacy codebases for improved efficiency, enabling the system to process upto **500k transactions/sec** with **< 1 ms response times**.
- **Large-Scale Data Handling:** Enhanced system scalability to manage high-volume data stream upto (**5 TB/day**) using **multithreading** and memory-efficient techniques.
- **Debugging & Troubleshooting:** Resolved critical performance bottlenecks and race conditions, ensuring system stability and reducing downtime by **35%** in production environments.

SKILLS

Programming Languages: C, C++, Python, HTML, CSS

Libraries/Frameworks: JavaScript

Databases: DBMS, MySQL

CERTIFICATIONS

- Certificate of Excellence in Data Structures and Algorithms in C++ - **CodingNinjas**
- Certificate of Excellence in Competitive Programming - **CodingNinjas**

HONORS & AWARDS

- Won Mindscape 2021 Competitive Programming Hackathon at ACM Thapar.
- Expert at Codeforces (Contest Rating : 1718)
- 4 star at Codechef : Global Rank - 7627
- JEE Advanced Rank : AIR 7789 and JEE Mains Rank : AIR 31k