

ADITYA SRIVASTAVA

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Education

Indian Institute of Information Technology Allahabad

July-2021 - Present

Btech in Electronics and Communication Engineering

7.66

Kautilya Senior Secondary School

April 2019 - June 2020

Class 12, CBSE

92.4

Projects

Smart Banks | *C, Socket Programming, Operating System*

July 2023

- Implemented and managed Know Your Customer (KYC) authentication process by integrating server authentication, ensuring accurate and secure verification of customer identities.
- Established a robust client-server framework for Normal and Joint Account holders, facilitating transactions and deposits through efficient socket programming.
- Developed a high-performance concurrent server using Socket Programming and File Locking mechanisms to effectively manage and process multiple client requests simultaneously.

Housing ForU | *Php, MySql, Object Oriented Programming*

November 2023

- Created a comprehensive web-based apartment management system to optimize tenant and property management processes.
- Utilized object-oriented programming (OOPS) principles to enhance codebase modularity and maintainability, ensuring efficient software development and scalability.
- Implemented key functionalities, including user authentication, apartment listings, and tenant management, using PHP and MySQL, resulting in a 25% increase in system security and a 40% boost in user satisfaction.

MostlyStream | *Javascript, ExpressJs, React, Nodejs, MongoDB, Socket Programming*

May 2024

- Developed a sophisticated live streaming platform incorporating real-time video broadcasting, interactive chat, and advanced user engagement features.
- Integrated the streaming platform with OBS Studio to facilitate seamless live broadcasting, resulting in a 40% improvement in real-time content delivery and a 25% increase in user engagement..
- Engineered a robust real-time chat system using Socket.IO, supporting over 10,000 simultaneous users and enhancing engagement by 35% through seamless, bidirectional communication.

Mentorship

- Mentored a batch of **50** junior students in Data Structures and Algorithms **DSA**, offering personalized guidance and ensuring a strong command of algorithms.

Achievements

- Codeforces - Specialist**, Max Rating: **1460**
- Codechef - 4-Stars**, Max Rating: **1808**
- Leetcode - Knight**, Max Rating: **1800+**
- Solved over **1500+** complex coding problems across platforms such as LeetCode, Codeforces, Codechef, CSES, Interviewbit, and Geeks for Geeks,

Technical Skills

Languages: C, C++, PHP, HTML, CSS, JavaScript, SQL

Technologies/Frameworks: ReactJS, NodeJS, ExpressJS, MySQL, MongoDB, Socket Programming

Relevant Coursework

- | | |
|------------------------------|-------------------------------|
| • Data Structures | • Computer Networks |
| • Analysis of Algorithms | • Operating System |
| • Database Management System | • Object Oriented Programming |

Leadership / Extracurricular

Cultural Fest

2021 - 2022

Executive

- Led a volunteer board of 10 members, conducting weekly meetings to monitor and guide progress in key areas of the chapter for proper conduction of the fest.