

AMIT KUMAR

Undergraduate at Indian Institute of Information Technology, Allahabad.

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Education

Indian Institute of Information Technology Allahabad

Bachelor of Technology in Information Technology , Currently in 7th semester

CGPA: 8.27 till 6th semester

Dec 2021 – present

Allahabad, Uttar Pradesh

Relevant Coursework

- Data Structures
- Algorithms and analysis
- Operating System
- DBMS
- OOP
- Computer Networks

Experience

Algozenith

Sept 2024 – Present

Problem Setter

Remote

- Created **algorithmic** problems across various domains (dynamic programming, graph theory, data structures) for **competitive programming** contests, for users ranging from beginners to advanced coders.
- Developed efficient, time and space-optimized solutions and test cases for a wide array of coding problems, ensuring robustness and edge case coverage for real-time contests and practice platforms.

TLE Eliminators

Dec 2023 – Jan 2024

DSA Mentor

Remote

- Mentored participants in **TLE Eliminators** on advanced data structures (Graphs, Trees, Dynamic Programming) effectively addressing complex problem-solving challenges and enhancing their algorithmic proficiency.

Projects

LivelyRealm | Dec 2023 – Feb 2024

[Github Link](#) [Live Link](#)

- Developed a **web application** for landlords to list and buyers to search and contact property owners.
- Implemented user authentication and authorization for secure registration and login using **JWT+ Google OAuth**.
- Built an advanced search functionality to filter and find available property listings using **MongoDB**.
- Ensured seamless user experience by integrating **CRUD** functionalities to create, update, and display listings for users with a user-friendly interface.
- **Technologies Used:** HTML, Tailwind CSS, ReactJS, Node.js, Express.js, MongoDB.

Applyshala | Mar 2024 – May 2024

[Github Link](#) [Live Link](#)

- Leveraged **Puppeteer** and **JavaScript** to create a **web** tool to streamline the process of applying for internships on Internshala.
- Enabled user login and **pre-populated** resume details using **web scraping** techniques, enhancing resume profile completion.
- **Technologies Used:** HTML, CSS, Javascript, Puppeteer.

Coding Profiles

Codeforces: [Amitc78f](#) Max Rating: **1604 (Expert)**.

Codechef: [amitc78f](#) Max Rating: **1949 (4 Star)**.

Leetcode: [Amit4552](#) Max Rating: **2060 (Knight)**.

Achievements

- Secured **Global** rank **1/10,000+** in Codechef March Division 4 2022.
- Attained a unprecedented **Global** Rank of **358/20,000+** in Codeforces Round 943.
- Achieved a personal best **Global** Rank of **590/20,000+** in Leetcode Biweekly 124.
- Solved **1500+** Coding Questions on various highly regarded coding platforms.
- Selected for **Amazon Summer School 2024**.
- AIR **4552** out of **1,000k+** candidates in JEE Main 2021.

Technical Skills

Programming Languages: C++, Java Script, SQL, Python.

Technologies/Frameworks/Libraries: ReactJs, Firebase, Node.js, Express.js, MongoDB

Position of RESPONSIBILITY

- Member at **Prayaas- Let dreams not die**, a **Volunteer** movement initiated by the student fraternity of IIITA.