

ADITYA SRIVASTAVA

Jamshedpur, Jharkhand

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Education

Birla Institute Of Technology, Mesra

Nov 2022 – Present

Bachelor of Technology (Computer Science and Engineering) CGPA-8.673 (Till 4th Sem)

Ranchi, Jharkhand

Skills

Languages: C++, Python, C

Web Development: HTML, CSS, Javascript, GSAP, ReactJS, Tailwind CSS, NodeJS

Developer Tools: Git, GitHub, VS Code, CLion, Latex

Coursework: Data Structures, Operating Systems, Database Management System, Object-Oriented Programming

Competitive Programming: [Codeforces](#), [Codechef](#), [AtCoder](#), [LeetCode](#)

Work Experience

TLE Eliminators

June 2024 - Present

Competitive Programming Mathematics Tutor

- Delivered expert instruction to over **200 beginners** in CP mathematics.
- Spearheaded post-contest solution discussions, leading to a **40%** enhancement in student CodeForces Ratings.

Centre for Computational Poetics Lab, BIT MESRA

[Link](#) | [GitHub](#)

Full Stack Team Project

- Architected and deployed a full stack website utilizing mainly 3 stacks namely **Express, MongoDB and React** for BIT Mesra's premier **Computational Lab, 2024**.
- Drove checks and obtained a score of **100** in **Accessibility and SEO** in Desktop + Mobile version along with score of **98** in **overall performances in Desktop**.
- Engineered analytical tools to examine the structure, form, and discourse of over **100 Hindi texts**, boosting analytical accuracy by **30%**.

Research Project

Development Of Computational Tools for Analyzing Elements Of Hindi Poetry

Feb 2024 - Present

- Engineered a **Text2Matra converter** with Prof. Niraj Kumar Singh for poetic structure analysis in Python, processing **10,000+** words.
- Pioneered in-depth analysis of **Mythological Hindi texts**, culminating in the establishment of India's inaugural **"Centre of Excellence Lab"**, thereby enriching the academic pursuits of over **1,000** scholars and researchers.
- Designed and implemented **Grouping Scansion code** to analyze poetic structures, studying patterns in the **Hanuman Chalisa** on over **1000 words**, including exceptions.

Collaborative Project

Fresher's Guide

[Link](#) | [GitHub](#)

Front End Project

- Pioneered the development of an advanced website for **BITians** using **HTML, CSS, JavaScript, and GSAP**; Coordinated with peers and made **15+ sections** covering freshman essentials.
- **Impact:** Empowered **1000+ students** by providing streamlined access to **notes, links, and college information** saving significant time in navigating.
- **Inspiration:** Modeled after **Awwward-winning sites**, prioritizing **intuitive UI/UX design** with an average engagement duration of **8 minutes** and a bounce rate of less than **21%**.

Achievements

- Active Competitive Programmer with ratings: **1517 (CF)**, **1711 (LC)**, **1700 (CodeChef)**, **451 (AtCoder)**
- Qualified **PRMO** in Class 9, 10th & **IOQM** in Class 11th
- **100 Percentile** in Physics in **JEE Mains 2022**
- Secured a **Global rank of 395 & AIR of 17** in Codeforces Round 952 Div.4 Contest

Leadership

ACM Student's Chapter, BIT Mesra

Sep 2023 – Present

General Secretary

BIT Mesra

- Facilitated **Hack-A-Bit'24, East India's** premier hackathon, ensuring the participation of over **300 teams** from across the country.
- Spearheaded multiple coding events during **BITOTSAV 24'** enhancing participation for **300+ students**.