

ARSH AHMAD

Ranchi, Jharkhand

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in [Arsh Ahmad](#)

🔗 [My-Portfolio-website](#)

Education

Birla Institute of Technology, Mesra

November 2022 – Present

Bachelor of Technology (Computer Science and Engineering) CGPA- 8.61

Ranchi, Jharkhand

Jawahar Vidya Mandir, Shyamali School

2009 – 2022

10th- 96.6% – 12th- 95.2%

Ranchi, Jharkhand

Skills

Programming Languages: C , C++ , Javascript , Python

Development and Frameworks: NodeJS , ExpressJS , ReactJS , MongoDB , Tailwind CSS , SQL

Libraries and Toolkits: Git/Github , Unix Shell , VSCode , Vite

Coursework and Certificates

Courses: Data Structures & Algorithms , Object-Oriented Programming , Operating Systems , DBMS , Computer-Networks , Data Mining , Information Retrieval , Problem Solving

Awards: GP Birla Scholarship

Full-Stack Web Development Certificate: //arsh_ahm

Projects

College-ERP | *ReactJS , NodeJS, ExpressJS , MongoDB, Restful APIs, Tailwind CSS , Redux Toolkit*

GitHub | Link

- * Developed a comprehensive **College ERP System** to streamline administrative and academic operations.
- * Created modules for **student registration, attendance tracking, grade management, fee collection, and faculty management**.
- * Designed a **user-friendly dashboard** with role-based access for **students, faculty, and administrators**.
- * Managed database integration using **MongoDB** to ensure efficient data storage and retrieval.
- * Implemented **backend validation** and enhanced **data security** to protect sensitive information.

Chat-On | *ReactJS , NodeJS , ExpressJS , MongoDB , Socket.IO , Javascript*

GitHub | Link

- * **Developed and deployed a real-time chat application** using React, Node.JS, Socket.IO, MongoDB to support seamless communication between users.
- * **Implemented user authentication** using JWT and OAuth for secure login and registration.
- * Ensured data security and privacy by implementing **end-to-end encryption and secure database management**.
- * Optimized back-end performance through **load balancing and database indexing** to handle high traffic with minimal latency.

Tic-Tac-Toe Game | *ReactJS, NodeJS, Javascript, HTML, CSS*

GitHub | Link

- * Developed a **Tic-Tac-Toe Game Website** with an intuitive user interface with a double player mode.
- * Implemented **game logic** using **JavaScript** to handle player moves, win/loss conditions, and game resets.
- * Designed a responsive layout using **HTML** and **CSS** to ensure seamless playability across different devices and screen sizes and a smooth user experience through interactive animations using **CSS Transitions**.

Position of Responsibility

Mentor, Peer tutoring program:

April 2024 – Present

- * Provided **guidance and support** to underclassmen in introductory **computer science** courses.
- * Helped mentees improve their **coding skills** and **academic performance** and fostered a collaborative learning which saw the participation of **100+** students.

Achievements

- * Completed a **Full-Stack Web Development BootCamp Led by Angela-Yu**.
- * GlobalRank of **6901** in **Codeforces Round 957(div-3)** contest of Codeforces among **30,000+** contestants.
- * **250+** problems solved on LeetCode.
- * **1047** rating on CodeForces.
- *Awardee of **GP Birla scholarship - BIT Mesra in MO22 SP23** based on academic performance.