

# ARSH AHMAD

Ranchi, Jharkhand

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🌐 [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.

**Fitness-Tracker** | *ReactJS, NodeJS, ExpressJS, MongoDB, Restful APIs, Redux Toolkit*

**GitHub | Link**

- \* Developed a **Fitness Tracker Website** to help users monitor and track their daily physical activities, workouts, and nutrition.
- \* Implemented features for **goal setting, calorie tracking, and exercise logging** with progress visualization through dynamic charts.
- \* Created personalized **user dashboards** for tracking workout history, sleep patterns, and health metrics
- \* Employed **MongoDB** for efficient data management and implemented JWT authentication for secure user access.

**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.