

AYUSHMAN TAMRAKAR

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in [ayushman-tamrakar](#)

🔗 [ayushmantam](#)

Education

Maulana Azad National Institute of Technology Bhopal

B.Tech in Mathematics and Data Science

2026 (Expected)

CGPA: 8.42 (till 4th Semester)

Govt. Shubhash Excellence Higher Secondary School, Bhopal

12th MPBSE PCM

2021

Percentage: **99.6%**

Govt. Excellence Higher Secondary School, Sagar

10th MPBSE

2019

Percentage: **99.8%**

Technical Skills

Languages: C++, JavaScript, SQL, Python

Web Development: HTML, CSS, ReactJS, MongoDB, ExpressJS, JavaScript, NodeJS, Tailwind CSS

Developer Tools: VS Code, Postman, MongoDB Compass, Git and GitHub, MySQL Workbench

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Computer Networks, Operating Systems, Probability and Statistics, Statistical Data Analysis

Projects

Full-Stack E-commerce Website with Admin Panel [Github] [Live Website]

- **Tech Stack:** MERN (MongoDB, Express.js, React.js, Node.js), Cloudinary, PayPal API, JWT, Render.
- Developed a responsive full-stack e-commerce platform featuring user and admin authentication, product management for admins, order tracking, user reviews and ratings, product filtering, and search functionality.
- **Backend:** Designed and implemented RESTful APIs using Node.js, Express, and MongoDB for managing users, products, orders, shopping cart, and reviews.
- **Frontend:** Built an interactive React-based UI, enabling users to browse products, add items to the cart, and place orders seamlessly, integrated with PayPal for secure payments.
- Integrated Cloudinary for efficient image storage and delivery of product images.
- Implemented user authentication and authorization using JWT and cookies and utilized bcrypt.js for secure password encryption.

Chat App - "FriendZone" [Github]

- Developed a responsive real-time chat application using React, Node.js, Express.js, MongoDB (**MERN**) and Socket.io.
- Implemented features such as user authentication, message encryption, and real-time messaging with Socket.io.
- Ensured efficient data handling with MongoDB and secure communication through an optimized Express.js backend.

Ed-tech Platform Backend App [Github]

- Developed and maintained backend APIs for an Ed-tech platform using Node.js and Express.js.
- Key functionalities included user authentication, profile management, and secure payment processing.
- Future goals include integrating these backend services with advanced frontend technologies to enhance user experience and functionality.

Password Generator [Github] [Live Website]

- Created a web-based password generator using HTML, CSS, and JavaScript.
- Allows users to customize password criteria such as length, inclusion of numbers, and special characters.
- Implemented a password strength indicator for user guidance.

Coding Profiles

Codeforces: Max Rank: Pupil, Max Rating: 1349, 400+ Problems Solved, [[ayushmantamrakar1nitb](#)]

CodeChef: Max Rank: 3 Star, Max Rating: 1630, 60+ Problems Solved, [[ayushmanchef](#)]

LeetCode: Max Rating: 1718, 560+ Problems Solved, [[ayushman_tamrakar](#)]

Achievements

- State Board Topper 2019 (**Rank 1**) and awarded by Chief Minister of MP
- State Board Topper 2021 and State Level Science Olympiad Winner 2019
- Solved **1000+** DSA and CP problems at different coding platforms
- Global Rank 437 in CodeChef Starters Div3, 318 in CodeChef Starters Div4, 2626 in Codeforces Div2

Positions of Responsibility

Member, Zenith – The Programming Club of NIT Bhopal

- Skills: Data Structures and Algorithms, Competitive Programming

Technical Executive and Web Developer, Aaroha (till March 2024)

- Contributed to the development of Aaroha's website, focusing on frontend design and implementation in collaboration with team members. [[aaroha's website](#)]
- Enhanced the NGO's online presence and accessibility to better support its mission.
- Skills: Web Development, Teamwork, Leadership