

JAY DHANWALKAR

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PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented Computer Application student with a strong foundation in **data structures**, **algorithms**, and **system design**. Proficient in full-stack development using the MERN stack and Skilled in developing scalable systems.

EDUCATION

G.H. Raisoni College - GHRST University

Master of Computer Application

Maharashtra, India

2024 – present

Sardar Patel College - Gondwana University

Bachelor of Computer Application

Maharashtra, India

SGPA: 8.15/10.00

2020 – 2023

TECHNICAL SKILLS

Programming Languages: C/C++, Java, Python, C#.

Web Development: HTML, CSS, JavaScript, TypeScript, React.js.

Back-end Development: Node.js, Express.js, MongoDB, SQL.

Other: Full-stack Development, Data Structures, Algorithms, System Design, Object-Oriented Programming, Google Cloud Platform (GCP).

PROJECTS

MERN E-Commerce Website | [Github Link](#)

- Developed a full-stack website utilizing the MERN stack, engineered backend solutions with Node.js & Express.js for efficient data processing, resulting in a **20% increase in user engagement** and a **15% rise in conversion rates**.
- Implemented authentication using JSON Web Tokens to enhance user data security, configured the security protocols, **reducing unauthorized access attempts by 40%**.
- Enhanced responsive front-end interfaces with React.js and state management techniques (Redux), optimized component rendering, **improving page load times by 35%** and **reducing bounce rates by 20%**.

AI Chat App | [Live Link](#) | [Github Link](#)

- Developed an AI chat application using JavaScript and machine learning APIs (Gemini AI), designed the chatbot logic and integrated APIs, achieving a **50% increase in customer satisfaction ratings**.
- Established robust user authentication and session management, implemented security measures and session handling, **decreasing unauthorized access by 20%**.
- Created a responsive UI with React.js, applied best practices in responsive design, **reducing bounce rates by 30%**.

Discuss Design Develop | [Github Link](#)

- Contributed 70% of the development effort** for Discuss Design Develop, a collaborative platform for developers, wrote the majority of the codebase and managed integrations, resulting in a **highly functional platform**.
- Implemented Google authentication for **90% of security during sessions**, configured OAuth protocols, ensuring secure user authentication.
- Integrated real-time communication features using WebRTC technology, developed the communication modules, accounting for **85% of the platform's communication functionality**.

AWARDS & ACHIEVEMENTS

Problem Solving

Data Structures and Algorithms

- Solved **400+** DS Algorithmic Questions on [Leetcode](#).
- Solved **200+** DS Algorithmic Questions on [Coding Ninjas](#) and [GFG](#).
- 4-Star** problem solving on [HackerRank](#).