Kalyani Dave

Msc – Information technology

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Dhirubhai Ambani University Technology
Formerly DA-IICT

Education

Dhirubhai Ambani University	2025 - Present
CPI: 8.54	*Gandhinagar, Gujarat*
Bachelor of Computer Application Atmiya University	2021 - 2024
SPI: 9.69	*Rajkot, Gujarat*
12th Modi School (GSHSEB)	2020 - 2021
Percentage: 84.15	*Rajkot, Gujarat*
10th Dholakiya School (GSEB)	2019 - 2020
Percentage: 88.00	*Rajkot, Gujarat*

Experience

Celebal Technologies   May 2025 – July 2025
Software Engineer   *Jaipur, Rajasthan*

- Worked as a Node.js backend intern at Celebal Technologies. Gained hands-on experience in core Node.js, including creating servers, REST APIs, middleware, and working with databases.Learned the entire backend workflow from routing, request handling, to integration with frontend.

Projects

Split wise | *MERN Stack*   ⌓

- Built a full-stack group expense manager with an optimized settlement algorithm using heaps to minimize transactions among members.
- A social graph feature determines the degree of connection between users using BFS. Enabled seamless group creation, expense tracking, and efficient debt resolution with a modern, user-friendly interface.
- Implemented user authentication and authorization with JWT and role-based access control to ensure secure and personalized user experience.

StockStack | *MERN Stack , Redis*   ⌓

- Developed a stock market simulator with a custom trading engine and real-time order matching algorithm to simulate realistic trading scenarios.
- An efficient in-memory order book using Redis supports high-speed trade execution and price discovery. The matching engine is designed to handle market, limit, and stop orders with priority-based execution.
- Integrated a heap-based priority queue for the core matching logic, ensuring fast and fair trade execution under high load.

Excelic Draw | *MERN stack , Web socket*   ⌓

- A collaborative web application enabling users to create or join rooms for real-time shared canvas drawing and chat.
- Utilizes WebSockets for instant updates and seamless communication between participants. Supports interactive drawing and messaging directly in the browser.
- Implemented canvas state synchronization and user presence tracking to ensure a smooth multi-user experience.

Technical Skills

Languages: C++, Python, Java, JavaScript, SQL
Developer Tools: Git, Postman, VS Code, Linux Shell, Figma
Frameworks: React.js, Node.js, Express.js, Tailwind CSS, Bootstrap
Cloud/Databases: MongoDB, MySQL
Soft Skills: Team Collaboration, Leadership, Problem Solving, Communication, Time Management
Coursework: Data Structures and Algorithms, Operating Systems, DBMS, Computer Networks

Position Of Responsibility

Prograaming Club   Sept 2024 - Present
Batch Representative

- Representing the MSc IT batch.Conducted coding seminars and hands-on sessions on foundational to advanced topics.Created problem sets on platforms like Codeforces to promote regular contest participation and problem-solving.

Achievements

- Secured 80 percentile in CMAT (Common Management Admission Test) – 2024
- Solved 500+ DSA problems across various coding platforms including LeetCode, Codeforces, and GeeksforGeeks.