

# Vatsal Tandel

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## EDUCATION

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### Babaria Institute of Technology, GTU

B.E. in Computer Science & Engineering - 8.38 CGPA

Sep 2020 - May 2024

## SKILLS

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- **Languages:** JavaScript, C++
- **Technologies/Frameworks:** Node.js, React.js, MongoDB, Express.js
- **Front-end:** Redux Toolkit, React Router, Context API, Tailwind CSS, MUI
- **Back-end:** REST APIs, Authentication & Authorization, JWT, MVC Architecture, Appwrite
- **Tools & Other Skills:** GitHub, Postman, Socket.io, S3, Data Structures and Algorithms, OOPs

## WORK EXPERIENCE

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### Activetlife Services

Full Stack Developer (MERN)

April 2024 - July 2024

- Enhanced frontend and backend features for eCommerce, recruitment and hotel booking portals, improving functionality and user engagement.
- Diagnosed and resolved performance bottlenecks, optimizing code for faster, more efficient platform operation.
- Gained hands-on experience in full stack development, contributing to diverse project tasks and refining problem-solving skills.

## PROJECT

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### Blog-Social Media Web App | *React.js, Appwrite, Tinymce Cloud*

- A social media platform where users can upload, view and interact with posts.
- Integrated Appwrite for user authentication, file storage, and post management. Used Redux Toolkit for efficient state management and React Router DOM for navigation.
- Utilized Tinymce Cloud for rich text editing, enabling image upload with options to edit or delete content. Used React Hook Form for optimized form handling and validation.

### EcommerceWeb App | *Node.js, Express.js, React.js, MongoDB, Mail.js*

- A user-friendly eCommerce app with automated email invoicing via Mail.js, improving customer experience.
- Used Redux for state management, developed RESTful APIs with Express.js, and implemented indexing in MongoDB for better performance.
- Enhanced scalability and performance for fast, responsive frontend and backend interactions.

### Chat Application | *Node.js, React.js, Socket.io, Authentication*

- A real-time messaging application with WebSocket protocols for instant communication.
- Integrated online status indicators using Socket.io and React Context for live presence updates.
- Ensured smooth operation with error handling on both client and server sides.

### URL Shortener | *EJS, Node.js, MongoDB, JWT, MVC*

- A URL shortening service that converts long URLs into concise, shareable links.
- Applied MVC architecture with JWT-based authentication and authorization to ensure secure, stateless sessions.
- Built for high performance and low latency, enhancing user experience and app efficiency.

## CERTIFICATIONS

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**Problem Solving** | *HackerRank*

**Full Stack Web Development** | *Udemy*