

# VAIBHAV RAMNATH DHOTRE



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## Education

Indira College of Commerce and Science

Pune, India

Master of Science in Computer Applications – **CGPA: 9.25/10**

Aug 2024 – May 2026

R.B. Narayanrao Borawake College

Shrirampur, India

Bachelor of Science in Computer Science – **CGPA: 7.64/10**

June 2021 – May 2024

## Technical Skills

- **Languages:** JavaScript (ES6+), HTML5, CSS3, SQL, Python
- **Frontend:** React.js, Bootstrap, Responsive Web Design
- **Backend:** Node.js, Express.js, RESTful APIs, JWT Authentication
- **Databases:** MongoDB, MySQL, Database Design, Query Optimization
- **Tools:** Git, GitHub, VSCode, Postman, Socket.io

## Professional Experience

MERN Stack Developer Intern

Nov 2025

NDSOFTTECH Solutions, Pune

- Developed and integrated frontend components using React.js and handled state management
- Built RESTful APIs using Node.js Express.js and connected them with MongoDB database
- Implemented CRUD operations, form validations, and API integrations
- Learned and applied Git GitHub for version control, branching, and project collaboration%

## Technical Projects

Real-Time Chat Application | React.js, Node.js, Express.js, MongoDB, Socket.io

Nov 2024 – Dec 2024

- Architected real-time messaging platform using Socket.io supporting 100+ concurrent users with instant delivery
- Integrated JWT-based authentication system with secure session management and bcrypt password encryption
- Engineered online/offline status indicators, last seen tracking, unread message counters, and read receipts
- Structured MongoDB schema for efficient message storage with compound indexing on user IDs and timestamps
- Constructed responsive React UI with real-time push notifications and WebSocket event handling

Virtual White Flame – Dynamic Business Platform | React.js, Node.js, Express.js, MySQLOct 2024 – Nov 2024

- Transformed static business website to dynamic MERN architecture, reducing content update time by 90%
- Built secure admin panel with role-based authentication enabling content management across 8+ modules
- Established RESTful API architecture with 15+ endpoints for managing banners, services, and testimonials
- Deployed MySQL database with normalized schema and optimized queries achieving 40% faster data retrieval
- Crafted responsive frontend using React hooks and Bootstrap, ensuring seamless cross-device compatibility

## Achievements & Leadership

- **Published Research:** Co-authored "Analyzing Social Media's Impact on Suicide" at 9th Student Conference on Emerging Trends in Computer Science, Indira College (2025)
- **Competition Winner:** First place in LTIMindTree corporate analysis competition presenting strategic insights on technology consulting and digital transformation
- **Cultural Excellence:** Accomplished Pakhawaj player with multiple cultural program performances
- **Certifications:** React.js — Node.js — JavaScript — Bootstrap — HTML & CSS