

ADITYA BUBNA

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Professional Summary

Results-driven and detail-oriented Computer Science undergraduate with proven expertise in **full-stack web development**, **real-time systems**, and **data-driven applications**. Adept at leveraging modern frameworks and technologies to build scalable, high-performance solutions. Demonstrated success in delivering projects with measurable impact, including optimizing application speed, improving user engagement, and streamlining workflows.

Education

Parala Maharaja Engineering College
Bachelor of Technology in Computer Science

Aug 2022 – May 2026

Projects

Chatly — Real-time Messenger Application

[\[Link\]](#)

- Developed a real-time chat application with one-to-one and group messaging features
- Implemented typing indicators, read receipts, and online status tracking for enhanced user engagement
- Optimized database queries, reducing message retrieval time by **30%**
- Scaled system to handle up to **10,000 concurrent users** with zero performance degradation
- **Tech Stack:** React, MongoDB, Express.js, Node.js, Socket.io

Hostel-Hub — Hostel Management System

[\[Link\]](#)

- Designed comprehensive modules for automated room allocation, attendance tracking, and online fee payments
- Integrated secure authentication and role-based access control for enhanced security
- Reduced manual processing time by **40%** and improved admin efficiency by **25%**
- **Tech Stack:** TypeScript, MongoDB, Express.js, Node.js, React

Shoplyst — E-commerce Platform

[\[Link\]](#)

- Built comprehensive e-commerce platform with product browsing, cart management, and secure checkout
- Implemented dynamic search and filtering capabilities, increasing product discovery by **35%**
- Optimized backend APIs to handle **2x higher transaction volume**
- **Tech Stack:** MERN Stack (React, MongoDB, Express.js, Node.js)

Technical Skills

- **Programming Languages:** C, Java, C++, Python, HTML, CSS, JavaScript, TypeScript
- **Web Technologies:** React, Node.js, Express.js, MongoDB, MySQL, WebSocket, RESTful APIs
- **Tools & Platforms:** Git, GitHub, Firebase, OpenCV, TensorFlow, YOLO
- **Languages:** English, Hindi, Odia
- **Certifications:** Complete Web Development Bootcamp

Achievements

- **Smart India Hackathon 2023** — Finalist among thousands of participants
- **State Level Cyber Security Quiz** — Winner, organized by Brahmapur Police Department
- **Inter-college Tech Fests** — Secured multiple awards for technical excellence