

# BODA VAMSHI KUMAR

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## PROFESSIONAL SUMMARY

Full-stack engineer building scalable MERN applications with proven ability to optimize performance (**20% API improvement, 33% load time reduction**). Strong foundation in **DSA and system design**. HackerRank Campus Ambassador delivering production-grade solutions for real-time systems and authentication-critical applications.

## EDUCATION

<b>Bachelor of Technology in Computer Science and Engineering</b> Vaagdevi College of Engineering, Warangal   CGPA: 8.0/10.0	Aug 2023 – May 2026
<b>Diploma in Electrical and Electronics Engineering</b> Mahaveer Institute of Science and Technology, Hyderabad   CGPA: 7.04/10.0	Aug 2020 – May 2023

## TECHNICAL SKILLS

**Programming Languages:** JavaScript (ES6+), Python, SQL  
**Frontend:** React.js, HTML5, CSS3, TailwindCSS, Responsive Design  
**Backend:** Node.js, Express.js, RESTful APIs, WebSockets (Socket.io), JWT Auth, MVC Architecture  
**Databases:** MongoDB, Supabase, MySQL  
**DevOps & Tools:** Git, GitHub, Docker, Vercel, Postman  
**Coursework:** Data Structures and Algorithms, Operating Systems, DBMS, Computer Networks, OOP

## WORK EXPERIENCE

<b>Software Development Intern – Full Stack   Edunet Foundation</b>	Nov 2024 – Jan 2025   GitHub
• Architected <b>real-time music streaming platform</b> using <b>MERN + Socket.io</b> , achieving <b>sub-100ms latency</b> for synchronized playback across 100+ concurrent users with <b>collaborative listening</b> and live presence tracking	
• Built <b>secure authentication system</b> with <b>JWT and RBAC</b> , deployed <b>containerized microservices</b> via <b>Docker + GitHub Actions</b> , optimized <b>RESTful APIs</b> delivering <b>20% faster responses</b>	
• Reduced page load time from 4.2s to 2.8s ( <b>33% improvement</b> ) via lazy loading and memoization, ensuring scalability for 500+ users	

## PROJECTS

<b>Real-Time Music Streaming Platform</b> <i>React.js, Node.js, Express.js, MongoDB, Socket.io, JWT, Docker, GitHub Actions</i>	GitHub / Live
• Built collaborative listening platform with <b>sub-100ms latency</b> synchronization across 100+ concurrent users, live playlists, and active user presence tracking using <b>WebSocket architecture</b>	
• Optimized frontend from 4.2s to 2.8s ( <b>33% improvement</b> ) via lazy loading; deployed with <b>Docker + GitHub Actions CI/CD</b> reducing deployment time by <b>40%</b>	

<b>User Management System – Full Stack</b> <i>Node.js, Express.js, MongoDB, React (Vite), JWT, Docker, Jest</i>	GitHub / Live
• Production-grade system with <b>JWT authentication, RBAC</b> (admin/user roles), <b>automated testing</b> (Jest + Supertest) delivering <b>20% improved API response time</b>	

<b>SkillNavigator – Job &amp; Skill Matching Platform</b> <i>React.js, Supabase, TailwindCSS, Vercel</i>	GitHub / Live
• Role-based platform supporting 100+ recruiters and 300+ job seekers with responsive dashboards and secure Supabase Auth integration	

• Optimized Lighthouse score from 72 to 91 via lazy loading and React state management; automated zero-downtime deployments via Vercel CI/CD	
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## ACHIEVEMENTS & CERTIFICATIONS

<b>HackerRank Campus Ambassador</b> – Selected to represent HackerRank, promoting coding culture and competitive programming on campus
<b>Full-Stack Development Certification</b> – AICTE   <b>Python Programming</b> – Cisco   <b>MongoDB Atlas Essentials</b> – MongoDB University