

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

Bachelor of Technology in Computer Science and Engineering *Aug 2023 – May 2026*

Vaagdevi College of Engineering, Warangal | **CGPA: 8.0/10.0**

Diploma in Electrical and Electronics Engineering *Aug 2020 – May 2023*

Mahaveer Institute of Science and Technology, Hyderabad | **CGPA: 7.04/10.0**

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

Software Development Intern – Full Stack | Edunet Foundation *Nov 2024 – Jan 2025 | GitHub*

- Architected **real-time music streaming platform** using **MERN + Socket.io**, achieving **sub-100ms latency** for synchronized playback across 100+ concurrent users with **collaborative listening** and live presence tracking
- Built **secure authentication system** with **JWT and RBAC**, deployed **containerized microservices** via **Docker + GitHub Actions**, optimized **RESTful APIs** delivering **20% faster responses**
- Reduced page load time from 4.2s to 2.8s (**33% improvement**) via lazy loading and memoization, ensuring scalability for 500+ users

PROJECTS

Real-Time Music Streaming Platform *GitHub | Live*

React.js, Node.js, Express.js, MongoDB, Socket.io, JWT, Docker, GitHub Actions

- Built collaborative listening platform with **sub-100ms latency** synchronization across 100+ concurrent users, live playlists, and active user presence tracking using **WebSocket architecture**
- Optimized frontend from 4.2s to 2.8s (**33% improvement**) via lazy loading; deployed with **Docker + GitHub Actions CI/CD** reducing deployment time by **40%**

User Management System – Full Stack *GitHub | Live*

Node.js, Express.js, MongoDB, React (Vite), JWT, Docker, Jest

- Production-grade system with **JWT authentication, RBAC** (admin/user roles), **automated testing** (Jest + Supertest) delivering **20% improved API response time**
- Containerized backend with **Docker + GitHub Actions CI/CD**, deployed on Render and Netlify

SkillNavigator – Job & Skill Matching Platform *GitHub | Live*

React.js, Supabase, TailwindCSS, Vercel

- 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

ACHIEVEMENTS & CERTIFICATIONS

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