

# BODA VAMSHI KUMAR

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## PROFESSIONAL SUMMARY

Aspiring Software Engineer with experience in building full-stack applications using **React.js**, **Node.js**, **Express.js**, and **MongoDB**. Strong foundation in **Data Structures**, **Algorithms**, **DBMS**, **OS**, **OOPS**, and **Computer Networks**. Skilled in **API development**, **debugging**, **authentication**, and **performance optimization**. Seeking an **SDE** role to apply problem-solving skills and contribute to scalable software systems.

## EXPERIENCE

### Full-Stack Intern - Edunet Foundation

Nov 2024 – Jan 2025

- Engineered end-to-end features using **React.js**, **Node.js**, and **Express.js**, optimizing legacy code to improve **API** response times by **20%**.
- Implemented secure backend authentication modules using **JWT** and **RBAC** (Role-Based Access Control) within an **MVC** architecture.
- Enhanced frontend performance by implementing **lazy loading** and reusable UI components, significantly reducing initial load latency.
- Orchestrated containerized microservices using **Docker** and integrated **GitHub Actions** for automated **CI/CD** pipelines.
- Participated in **Agile** sprint cycles, conducting code reviews and managing version control via **Git** branching strategies.

## PROJECTS

### SkillNavigator - Job & Skill Matching Platform | *React, Supabase, TailwindCSS*

- Developed a scalable job-matching platform using **Supabase Auth** for secure, role-based user sessions (Recruiters vs. Seekers).
- Built responsive dashboards for job management, achieving a **30% reduction** in page load time through **API** optimization.
- Automated deployment workflows using **Vercel** and **CI/CD** pipelines to ensure zero-downtime updates.

### Real-Time Audio Streaming Architecture | *MERN, Socket.io, Docker*

- Architected a real-time music streaming platform supporting live playlists and synchronous user activity.
- Implemented **WebSockets** (**Socket.io**) to facilitate sub-**100ms** latency for real-time chat and presence features.
- Designed a secure admin dashboard with server-side validation to manage media content and prevent data inconsistency.
- Dockerized the application stack to standardize development environments and simplify production deployment.

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), Python, SQL, HTML5, CSS3

**Frontend:** React.js, TailwindCSS, Bootstrap, Shadcn/UI, Redux

**Backend:** Node.js, Express.js, REST API, WebSockets

**Databases:** MongoDB, Supabase (PostgreSQL), MySQL

**DevOps & Tools:** Git, GitHub, Docker, GitHub Actions, Vercel, Postman

**Soft Skills:** Communication, Problem-Solving, Team Collaboration, Agile Methodology

## EDUCATION

### B.Tech in Computer Science and Engineering

Aug 2023 – May 2026 (Expected)

Vaagdevi College of Engineering, Warangal

- Coursework:** Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, Object-Oriented Programming

## CERTIFICATIONS

**MERN Full-Stack Development (AICTE):** Full-stack development with MongoDB, Express, React, Node.

**Python Programming (Cisco):** Core Python, OOP, application development.

**MongoDB Atlas Essentials (MongoDB University):** Cloud databases, indexing, schema design.