

# ARAVIND JADAGALA

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## EDUCATION

**VIGNAN INSTITUTE OF TECH & SCI**  
B-TECH, computer science and Engineering, CGPA 7.6  
2023 - 2026

**GOVERNMENT POLYTECHNIC,  
MASAB TANK**  
Diploma: Mechanical Engineering, CGPA: 9.70/10  
2020 - 2023

**ZILLA PARISHAD HIGH  
SCHOOL, SHANIGARAM**  
CGPA : 10  
2020

## SKILL

- HTML/CSS
- Redux
- Tailwind
- Frame-motion
- React/Next js
- Node js
- express
- MongoDB
- Mysql
- JWT
- Postman
- Devops
- GraphQL
- Websockets
- REST API
- OAuth

## LANGUAGE

- English
- Telugu
- Hindi

## SUMMARY

Analytical MERN stack developer and Computer Science student with a strong foundation in networking fundamentals and scalable system architecture. Proven problem-solver with 200+ LeetCode challenges completed, specializing in technical troubleshooting and real-time PWA development using WebRTC. Dedicated to IT infrastructure monitoring, system design, and maintaining high-availability environments through secure DevOps practices.

## ADDITIONAL DETAILS

- Problem Solving: Solved 200+ algorithmic challenges on LeetCode, demonstrating strong proficiency in data structures and complex logical troubleshooting.
- System Design & Infrastructure: Passionate about System Design principles and maintaining scalable, high-availability IT infrastructures.
- Networking & Real-Time Systems: Deep interest in networking protocols and low-latency communication, applied through peer-to-peer WebRTC implementations.
- Incident Management: Experienced in systematic debugging and technical troubleshooting across full-stack environments and server-side configurations.

## PROJECTS

### TICBOOK

Ticbook is a full-stack web application that enables users to browse, book, and host events across multiple domains. It features secure user authentication with role-based access for organizers and attendees, a comprehensive organizer dashboard for event creation and booking management, and a simulated payment workflow mimicking real-world NetBanking transactions. The platform automatically generates QR-based tickets upon successful bookings and provides a responsive, modular UI built with Next.js, Tailwind CSS, and reusable components. Ticbook is actively under development, with planned enhancements including analytics, real-time updates, and expanded payment integration.

### Real-Time Collaborative Whiteboard

**Highlight WebRTC:** Emphasize that WebRTC handles peer-to-peer data channels, which shows an understanding of network protocols and low-latency communication. **PWA & Reliability:** Mentioning "offline support" and "local storage" aligns with the job's requirement for "Backup Monitoring" and "System Maintenance" by showing you design for data persistence and reliability

### Note-app fullstack:

Developed a full-stack note-taking application with OTP-based signup and signin flows. Implemented session management where sessions are created after verification and destroyed upon logout, with JWT tokens for secure authentication. Built a responsive dashboard to display, create, and manage notes efficiently. Integrated a navigation bar and sign-out functionality for better user experience. Used MongoDB with Mongoose for database operations and CRUD functionality. Ensured secure and scalable backend architecture to handle user data safely.