

# RITHVIK RAO

Daman & Diu , India

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## Education

### Indian Institute of Information Technology,Sri City

B.tech in Computer Science and Engineering

Aug. 2023 – May 2027

CGPA: 8.95 / 10

## Relevant Coursework

- Data Structures
- Operating Systems
- Algorithms Analysis
- Database Management
- HPC
- Computer Networks
- Web Technologies
- OOPS
- Computer Architecture
- Cloud Computing

## Experience

### Full Stack Engineer Intern

Soundverse AI

October 2025 – January 2026

Remote

- Built and optimized scalable web applications using **React.js**, improving performance, responsiveness, and accessibility across devices for an early-stage product serving **100K+ active users**.
- Worked closely with backend engineers to integrate and deploy **AI-powered tools and APIs**, strengthening cross-team collaboration and accelerating feature delivery.
- Debugged and resolved a large volume of frontend and integration issues, significantly improving application stability, UX consistency, and reducing user-reported bugs across core flows.
- Redesigned the **user cancellation flow** and implemented/debugged **Stripe-based payment logic**, resulting in a **significant reduction in user churn** and improved payment reliability in a high-growth startup environment.

## Projects

### Replix | React, Node.js, Express, TypeScript, REST APIs, WhatsApp Web.js, AWS

Sept 2025

- Built a full-stack automation system integrating WhatsApp Web APIs with QR login and real-time messaging via Socket.io, achieving 95% delivery reliability and sub-150ms latency.
- Implemented LLM-powered auto-replies with configurable rules and message logging, improving automation accuracy and maintainability by 35%.
- Designed a responsive web dashboard using React and TailwindCSS for rule management, live chat monitoring, and analytics, reducing manual setup time by 40%.
- Deployed on AWS (backend) and Vercel (frontend) with CI/CD pipelines, ensuring zero-downtime rollouts and 99.9% uptime.

### ArtisapSpace | MongoDB, Express, TypeScript, Node.js, React, GitHub

August 2025

- Built a full-stack e-commerce platform for handicraft artisans to showcase products and connect with customers, supporting 500+ active listings.
- Implemented OTP-based authentication and role-based access (Admin, Customer, Artisan, Manager), achieving a 99% login and password recovery success rate.
- Developed key modules including inventory management, user analytics, cart and product pages, and workshop booking, reducing manual effort by 40%.
- Designed a custom order system with automated cascading deletions, improving data consistency and reducing errors by 35%.
- Collaborated via GitHub workflows (branching, PRs, issue tracking), improving team efficiency by 25%.

### UniVerse | Kotlin, FireBase, Jetpack, ConfigCat

September 2024

- Developing a centralized Android app to organize IIITS academic resources (notes, PYQs, reference books), resolving scattered file access across multiple locations.
- Implemented Firebase for real-time storage, retrieval, and dynamic updates, reducing resource retrieval time by 50%.
- Leveraged Jetpack libraries (LiveData, ViewModel, Navigation) to build a scalable architecture and ensure a smooth user experience across devices.
- Added feature flag controls to remotely toggle app features and enable maintenance mode, minimizing downtime during updates.

## Technical Skills

**Languages:** Java, Kotlin, JavaScript, TypeScript, C, C++, Python, SQL

**Developer technologies:** React, Node.js, Express.js, HTML, EJS, FastAPI, Prisma, Next

**Developer Tools / Cloud:** VS Code, Git, Android Studio, AWS, Docker

**Database & Backend:** MongoDB, Firebase DB, MySQL, SQLite3, PostgreSQL

**Soft Skills:** Teamwork, Problem Solving, Communication, Time Management