

**CHERUPALLI GANESH**  
**MERN Stack Developer**  
B.Tech, Computer Science Engineering  
Annamacharya Institute of Technology, Hyderabad

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## TECHNICAL SKILLS

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**Programming Languages:** JavaScript (ES6+)

**Frontend Development:** TypeScript, React.js, Redux Toolkit, Zustand, TanStack Query, HTML5, CSS3, Tailwind CSS, Axios, Responsive Design

**Backend Development:** Node.js, Express.js, RESTful APIs, WebSocket

**Databases:** MySQL, MongoDB (Schema Design, Indexing)

**Cloud & Deployment:** Docker, Firebase, Cloudflare

**Core Concepts:** Data Structures and Algorithms, OOP Principles, System Design

**Version Control & Tools:** Git, GitHub, Postman, Vite

## PROFESSIONAL EXPERIENCE

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### Frontend Development Intern, TLF TalentForge

Apr 2025 - Jul 2025

*Education, Learning Platform*

- Developed dynamic, responsive web pages using modern frontend technologies to improve UI/UX and application usability
- Collaborated with designers and backend developers to integrate RESTful APIs, enhance UI features, and improve overall product quality
- Optimized page performance, reduced load times by 30% through code refactoring, lazy loading, and bundle optimizations
- Contributed to scalable front-end architecture following best practices, code reviews, and version control (Git)

## TECHNICAL PROJECTS

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### Sandeshan - Real-Time Chat Application

Jan 2026

*Tech Stack: React.js, Node.js, Express.js, MongoDB, WebSocket, JWT, Redux Toolkit, TanStack Query* [GitHub](#) | [Live](#)

- Built a full-stack MERN application with real-time messaging using WebSocket and JWT-based authentication
- Developed RESTful APIs using MVC architecture with middleware validation and error handling
- Optimized MongoDB schemas with indexing and query tuning, reducing API latency by 40% and improving scalability
- Implemented Redux Toolkit and TanStack Query for efficient state management; achieved Lighthouse 100% Performance & Best Practices, deployed on Vercel, Render, and MongoDB Atlas

### HyperFlix - Movie Streaming Website

Nov 2025

*Tech Stack: React.js, Redux Toolkit, REST API, Firebase, Cloudflare*

[GitHub](#) | [Live](#)

- Developed a responsive movie streaming platform with dynamic content listings, real-time search, and API integration
- Implemented Firebase authentication, Formik form validations, multi-language support, and custom Hooks to optimize API calls
- Deployed on Cloudflare achieving 96% performance, 95% accessibility, and 100% SEO scores through lazy loading and semantic HTML

### GO-CHAT-AI - AI-Powered Chat Application

Mar 2025

*Tech Stack: React.js, Zustand, JavaScript (ES6), Gemini API*

[GitHub](#) | [Live](#)

- Developed a single-page AI chat application using React.js and Vite, integrating Gemini API for real-time conversational responses
- Implemented global state management with Zustand to support live streaming responses and optimized UI rendering performance
- Designed a fully responsive and accessible user interface following SEO and web performance best practices
- Integrated form validation using Formik and deployed the application on Netlify for scalable, production-ready delivery

## EDUCATION

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**Bachelor of Technology (B.Tech) in Computer Science and Engineering**  
*Annamacharya Institute of Technology, Hyderabad*

2019 - 2023

**Intermediate (MPC)**  
*TSBIE Board*

2017 - 2019

82.9%