

# TRISHIT CHAR

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## Summary

Full Stack Developer with 1.5 years of professional experience building **AI-powered applications** and scalable web solutions. Proficient in **React.js**, **Node.js**, and **AWS cloud services**, with expertise in **GenAI integration** and performance optimization. Proven track record of **reducing system failures by 75%** and improving user **engagement by 30%** across production applications serving **10,000+ users**.

## Work Experience

**Full Stack Developer** | [RevMaxx](#) (AI-powered Medical Scribe) Nov 2024 - Nov 2025 (Onsite)

- Tech Stack:** React | TypeScript | Express.js | MariaDB | AWS S3 | GenAI | WXT | WordPress.
- Upgraded from single-part audio upload to a **multipart upload pipeline** using Node.js and **AWS S3**, **reduce audio failure rates by 75%**, thereby improving reliability for long-duration files.
- Design the complete **front-end architecture from scratch** using React, enhancing **performance** and **responsiveness** across devices.
- Implemented **advanced prompt engineering** techniques in Python using **multishot prompts**, improving **AI output formatting** and **accuracy by 30%**.
- Built an **admin panel** connected with MariaDB and REST APIs, featuring real-time data visualization using **ReCharts** for streamlined monitoring and reporting.
- Develop a **Chrome extension using WXT** and a lightweight UI variant for seamless **cross-platform integration** through **DOM manipulation** and **content injection**.

**Full Stack Developer** | [Tecosys](#) May 2024 - Oct 2024 (Remote)

- Tech Stack:** React | Next.js | MongoDB | TypeScript | Node.js.
- Deployed an **embeddable chatbot widget SDK** with React, compiled into a standalone JS bundle for seamless cross-platform integration via a **single script** tag, featuring customizable branding (colors, text).
- Built a **CRM lead management platform** similar to HubSpot with **automated lead capture**, real-time analytics dashboard, tracking user interactions, **conversation history**, and Google Calendar API integration enabling **direct meeting scheduling** from chat interfaces.
- Optimized main website performance implementing code splitting and server-side rendering (**SSR**), improving **Core Web Vitals** and decreasing load times by 20%, resulting in 30% increase in user engagement.

## Projects

**AI-flix:** GPT integrated movie website | [Live](#) | [GitHub](#).

- Tech Stack:** Gemini | React | Tailwind CSS | Node.js | Express.js | MongoDB | JWT | Bcrypt | TMDB.
- Streamlined a full-stack movie discovery platform integrating an **AI-driven search** engine and fetching real-time data from TMDB API, enhancing user engagement by providing instant access to over 10,000 film titles.
- Improved user retention by 25% through enhanced on-boarding and interactive features.
- App for mobile platform in **React Native** including **CMS** (building phase) | [GitHub](#).

**TcharGram:** Social Networking Platform | [Live](#) | [GitHub](#).

- Tech Stack:** MERN stack | TypeScript | WebSockets | Cloudinary | Shadcn UI.
- Constructed a full-stack **social networking** site with a focus on user experience using React and Express.js, leading to a streamlined on-boarding process that **decreased user drop-off** by 30% during registration.
- Applied **real-time** features including notification, chatting functionality using **WebSocket** integrated **Cloudinary** for efficient media storage and management.

## Skills

**Programming Languages:** C, C++, JavaScript, TypeScript, Python, Java.

**Frontend & UI:** React, Next.js, React Native, WordPress, Tailwind, Redux, Shadcn UI, MUI, WXT.

**Backend, Databases:** Node.js, Express.js, Hono, REST APIs, WebSockets, PostgreSQL, MongoDB.

**Cloud & DevOps:** AWS (S3, EC2, Lambda), Microsoft Azure, Docker, Cloudinary, CDN, CI/CD Pipelines.

**Tools & Others:** Git, GitHub, Postman, Linux, API Integration, TensorFlow.js.

## Education

Hooghly Engineering & Technology College	(2021 - 25)	CGPA 8.65
Higher Secondary	(2019 - 21)	90%