

TRISHIT CHAR

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Summary

Full Stack Developer with 1+ year 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 - Present (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**, **reducing audio failure rates by 75%** and improving reliability for long-duration files.
- Designed and developed 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 a **CRM admin panel** integrated with MariaDB and REST APIs, featuring real-time data visualization using **ReCharts** for streamlined monitoring and reporting.
- Crafted 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](#) Jul 2024 - Sep 2024 (Remote)

- Tech Stack:** React | Next.js | MongoDB | TypeScript | Node.js.
- Engineered an AI-powered conversational web app ChatGPT-like interactions, with **real-time messaging**, **PDF content parsing**, and integrated external APIs for dynamic query resolution.
- Designed and launched a responsive website using Next.js to enhance mobile-friendliness and improve SEO performance, resulting in a **30% increase** in user **engagement**.
- Optimized website performance by implementing best practices such as code splitting, and **server-side rendering (SSR)** to improve **Google Core Web Vitals & decrease load times** by 20%.

Projects

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

- Tech Stack:** Gemini | React | Tailwind CSS | Node.js | Express.js | MongoDB | JWT | Bcrypt | TMDB.
- Constructed a full-stack movie 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, Tailwind, Redux, Radix UI, Shadcn UI, MUI, HTML5, CSS3, WXT.

Backend, Databases: Node.js, Express.js, REST APIs, WebSockets, JWT, bcrypt, MariaDB, MongoDB.

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

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%