KARAN TANWAR

Software Engineer | Full Stack (MERN)

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SUMMARY

Software Engineer building production full-stack applications on the MERN stack, currently shipping AI-driven education tools at iDreamCareer. Strong across React front-ends, Node/Express APIs and MongoDB data layers, with a focus on performance, reusable UI systems and clean API design. Experienced in generating dynamic PDFs and integrating AWS S3 for file storage and delivery.

SKILLS

Languages: JavaScript, Python, HTML, CSS

Frontend: React.js, Tailwind CSS, Material UI, Chakra UI, Responsive UI Design, State Management

Backend & Data: Node.js, Express.js, MongoDB, SQL, REST API Design

Tools & Deployment: Git, GitHub, VS Code, MongoDB Compass, Netlify, Render, AWS S3

EXPERIENCE

Software Engineer — Full Stack Developer | iDreamCareer, New Delhi

Feb 2025 – Present

- Build and maintain multiple full-stack education products end to end using React, Node.js, Express and MongoDB, owning features from API design through UI delivery.
- Shipped core features of AI Mentor, an AI-based student mentoring tool, redesigning the frontend–backend data flow to make assessment results render reliably and faster.
- Cut page load times by 30% by rebuilding data-visualization workflows in React and Tailwind, trimming redundant renders and API round trips.
- Partnered with 4+ cross-functional teams to translate product requirements into technical specs and a shared library of reusable UI components adopted across projects.
- Built and deployed a server-side PDF generation workflow using pdfkit in Node.js, producing formatted reports and certificates on demand; integrated AWS S3 for secure upload, storage and signed delivery of generated PDFs.

PROJECTS

AI Mentor Platform | React, Node.js, Express, MongoDB, REST APIs

2025

- Real-time counselling platform that runs student assessments and returns AI-generated career recommendations.
- Designed the REST API layer for result generation and user analytics, including request validation and error states surfaced in the UI.
- Built a fully responsive interface with centralized state management so long assessment flows stay consistent across devices.

PDF Report Generator & AWS S3 Storage | Node.js, pdfkit, AWS S3

2025

- Built a server-side PDF generation workflow using Node.js and pdfkit to create dynamic reports and certificates on demand.
- Integrated AWS S3 for secure upload, storage and signed-URL delivery of generated PDFs, enabling reliable file distribution.

CERTIFICATIONS

- Full Stack Web Development (MERN) — Masai School, 2023–2025 · two-year full-time program including Data Structures & Algorithms.
- Python Programming — GUVI, 2024.
- React.js and Next.js Development — Udemy, 2024 · SSR, routing and API integration.

EDUCATION

B.Sc. (General) — S.V.S.U University Oct 2023