

Veerender Nemali

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Skills

Languages: JavaScript, TypeScript, SQL

Frontend: React.js, Next.js, Redux Toolkit, Zustand, TailwindCss

Backend: Node.js, Express.js, NestJS, REST APIs, JWT Authentication, API Development

Database: MongoDB, MySQL

CS Fundamentals: Data Structures and Algorithms, OOPs, DBMS, Operating Systems, Computer Networks

Tools: Postman, Vite, Git, AWS EC2, Vercel, Render

Work Experience

Patternlab.ai, Hyderabad

Nov 2025 – Mar 2026

Full Stack Developer Intern

- Developed features for a manufacturing analytics platform used to monitor and visualize machine production data
- Created a reusable dynamic filter component adopted across 30+ tables and reports, reducing duplicate frontend code by nearly 20%
- Built and maintained 25+ REST APIs using NestJS, TypeScript, and MongoDB to support analytics and reporting workflows, following an API-first approach and delivering features for client projects.
- Developed 10+ interactive dashboards, tables, charts, and machine data visualizations using Highcharts, enabling real-time monitoring and analysis of production metrics
- Integrated backend services using TanStack Query and managed application state with Zustand, improving data synchronization and responsiveness across complex dashboard interfaces.

Projects

LedgerFlow – Backend

GitHub | Live API

- Built a ledger-based transaction processing backend using Node.js and Express.js to support money transfers while maintaining balances through immutable ledger entries.
- Designed double-entry accounting workflows and implemented dynamic balance calculations using MongoDB aggregation pipelines to accurately track account transactions.
- Ensured consistency of debit-credit operations by leveraging MongoDB transaction sessions and implemented idempotency-key based processing to prevent duplicate payments during retries and failures.
- Developed JWT authentication, account management APIs, and automated email notifications using Nodemailer and Gmail OAuth2 to improve security and user communication.

DevTinder – Full Stack

GitHub | Live

- Built a full-stack developer networking platform using React.js, Express.js, and MongoDB that enables users to discover and connect based on shared skills and interests.
- Implemented JWT authentication with HTTP-only cookies and bcrypt password hashing to secure user sessions and protect application routes.
- Designed feed generation, connection request workflows, and pagination mechanisms to efficiently serve personalized recommendations while excluding existing and pending connections.
- Developed modular REST APIs, managed frontend state with Redux Toolkit, and deployed the application using Vercel and Render for a production-ready experience.

Streamify – Frontend UI

GitHub

- Built a YouTube-inspired single-page application using React.js and Redux Toolkit to provide video browsing, search, and recommendation experiences.
- Integrated the YouTube Data API to fetch videos, search results, and recommendation feeds dynamically based on user interactions.
- Implemented infinite scrolling and debounced search autocomplete to optimize API requests and improve content discovery performance.
- Simulated live chat interactions and introduced shimmer loading states to create a responsive and engaging user experience.

Education

St. Peter's Engineering College

Aug 2019 - Jul 2023

BTech in Computer Science and Engineering

Hyderabad

Certifications

- Completed Namaste JavaScript, Namaste React, Namaste Node.js, and Namaste DSA by Akshay Saini.