

Lavish Kumar Varshney

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Summary

Full Stack MERN Developer with a backend-first mindset, experienced in designing secure, scalable REST APIs, authentication flows, and MongoDB data models. Strong in Node.js and Express, with modern React used to build clean, performant user interfaces. Solid grounding in computer science fundamentals and problem-solving.

Skills

- Backend:** Node.js, Express.js, REST APIs, API Security
Database: MongoDB, Firebase (Auth, Storage), Supabase
Frontend: React, TypeScript, Tailwind, GSAP, Motion
Tools: Git, GitHub, Postman, Zustand, Vercel, Render, Netlify

Projects

Smart Medical Record System (SMRS) Full-Stack (Backend-Heavy)
Live Demo | Frontend Repo | Backend Repo

- Designed and implemented secure RESTful backend APIs using Node.js and Express to handle PDF uploads, validation, and user-scoped file management.
- Built a two-phase upload workflow (temporary storage → confirmation) to ensure data consistency and prevent orphaned files.
- Implemented file type validation, size limits (50MB), and per-user directory isolation for secure document storage.
- Integrated PDF text extraction and OCR pipelines using **pdf-parse** and **Tesseract.js**.
- Developed an AI-powered analysis service using LLMs to generate patient-friendly and clinical summaries.

Tech: Node.js, Express, React, Firebase Auth, Firestore, Multer, OCR, REST APIs

Leads Tracker — Chrome Extension Frontend / Platform
Source Code

- Developed a lightweight Chrome extension (Manifest V3) to capture text snippets and active tab metadata using Chrome Tabs APIs.
- Implemented offline-first persistence using **localStorage** with structured data models for fast access.
- Designed keyboard-driven workflows and minimal UI to improve developer productivity.

Tech: JavaScript, Chrome APIs, Manifest V3, LocalStorage

Luminous Quotes Frontend UI & Animation
Live Demo | Source Code

- Built an interactive React application using GSAP for drag-based animations and dynamic UI state transitions.
- Implemented dynamic theming with CSS variables and real-time quote fetching from an external API.

Tech: React, GSAP, CSS Variables, API

Experience

Front-End Web Developer Intern — IBM SkillsBuild (CSRBOX) Jun 2024 – Aug 2024

- Built reusable React components and improved rendering performance through optimized state and component structure.
- Collaborated with team members to implement features and test responsiveness.

Full-Stack Developer Intern — Bharat Intern (Orbitor) Aug 2023 – Sept 2023

- Developed a content and project management tool using the MERN stack.
- Implemented CRUD operations, REST APIs, and dashboard UI features.

Volunteer Experience

Session Co-Facilitator & Technical Coordinator — Gurukula Kangri Vishwavidyalaya 17th Nov 2025

- Co-facilitated a technical awareness session for 1st-year B.Tech students covering NIXI, IPv4/IPv6, DNS, DNSSEC, and India's Internet infrastructure.
- Actively participated in interactive Q&A sessions, addressing questions on MERN stack, full-stack development paths, and early-career learning strategies.

Certifications

- Front End Development Libraries V8** — FreeCodeCamp Dec 2024
- JavaScript Algorithms & Data Structures V8** — FreeCodeCamp Aug 2024
- Responsive Web Design (Legacy)** — FreeCodeCamp Jul 2024

Education

B.Tech in Computer Science — Gurukula Kangri Vishwavidyalaya, Haridwar
Nov 2022 – Present Latest SGPA: 8.32
Senior Secondary (XII), Science — CBSE Board
Completed: March 2021

Achievement

GATE 2025 (Computer Science): Qualified in 3rd year of B.Tech · AIR 20150 · Score 360