

# 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**

*Cyber Crime Awareness Session — Jawahar Navodaya Vidyalaya, Haridwar* *21 Dec 2025*

- Co-facilitated a Cyber Crime Awareness session for Class IX students, contributing as a speaker and managing digital presentation setup while explaining real-life cyber crime cases through interactive discussions.

*Technical Awareness Session — Gurukula Kangri Vishwavidyalaya, Haridwar* *17 Nov 2025*

- Co-facilitated a technical awareness session covering NIXI, IPv4/IPv6, DNS, DNSSEC, and India's Internet infrastructure; engaged students through interactive Q&A on MERN stack and full-stack development pathways.

## 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