

VANSH KUMAR

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [Content creator](#)

PROFESSIONAL SUMMARY

Full Stack Software Engineer with 1+ years of professional experience building scalable web applications using MERN stack. Expertise in frontend development with React.js, backend services with Node.js/Express.js, and MongoDB databases. AWS certified developer with proven ability to deliver optimized, user-centric solutions. Passionate about solving complex technical challenges and contributing to Google's mission of organizing the world's information.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript Java (intermediate), HTML5, CSS3.

Frontend: React.js, Redux toolkit, Tailwind CSS, Responsive Design,

Backend: Node.js, Express.js, RESTful APIs, WebSocket, MVC architecture.

Databases: MongoDB, SQL, NoSQL.

Cloud & DevOps: Amazon Web Services (AWS) | Vercel | Netlify | Render.

Tools: GitHub, Figma, Git, Postman, Razorpay payment Integration, JWT, OAuth, Material UI, WebSocket.

Specializations: CRUD Operations, API Development, Authentication, Payment Integration, Real-time Communication.

Algorithms: Data Structures & Algorithms (intermediate).

PROFESSIONAL EXPERIENCE

Software Engineer: Prem Industries | Noida, Uttar Pradesh, India

Oct 2025 – Dec 2025

- Developed and deployed production-ready e-commerce features including authentication and product management.
- Built React.js & Next.js SSR/CSR-based UIs, improving SEO rankings by 40% and reducing page load time by 35%.
- Configured Redux Toolkit for state management, reducing redundant API calls by 40% and boosting frontend responsiveness.

Software Engineer: Seoczar IT Services Pvt Ltd | Noida, Uttar Pradesh, India

Jul 2024 - Dec 2024

- Built and deployed robust, scalable frontend web app Developed by React.js.

HACKATHONS & ACHIEVEMENTS

NASA Hackathon — NASA space app challenge Full Stack project— **web-based platform** that combines historical NASA weather data with probability modelling to help users make informed decisions about outdoor activities. features an **interactive map interface**, **real-time community hub**, **comprehensive weather visualizations**, and **social engagement tools** to enhance weather planning with human insights.

KEY PROJECTS

VARNSA — Affiliate E-commerce Platform — Full-featured e-commerce platform with **JWT authentication**, **email OTP verification**, **Google OAuth integration**, **Razorpay payment processing**, **shopping cart functionality**, **smart product recommendations**, **SEO optimization**, and user reviews with image uploads. Tech: MERN Stack.

- **TechStack** (React.js, Node.js, Express.js, Redux Toolkit, MongoDB, Redis, REST APIs, Tailwind CSS, JWT, MVC arch, TypeScript, **Razorpay**)

AirClip — AirClip is a modern, web-based platform allowing multiple users to join custom rooms and share a live, synchronized clipboard, links, and small snippets of information between your devices. It uses a real-time **WebSocket** connection to instantly sync your clipboard in a room. ([Readme.pdf](#)) | [Live link](#) .

Smart Gate pass — Professional gate pass management solution for educational institutions. Streamlined workflows, seamless processes, and real-time collaboration. Tech: MERN Stack, WebSocket. ([Readme.pdf](#)) [Live link](#).

EDUCATION & CERTIFICATIONS

BTech in Computer Science — Dr A.P.J. Abdul Kalam Technical University (AKTU), Lucknow

Certifications: Full Stack Development by Apna college | **NASA** Space app challenge | Web Development | JavaScript Specialization | CSS Specialization | Kaggle | Coding ninjas | Hacker Rank | Software Development Associate Engineer.

CORE COMPETENCIES

Full Stack Development: End-to-end web application development from database design to UI implementation.

API Development: RESTful API design, implementation, error handling, and documentation.

Real-time Systems: WebSocket implementation for live communication and data synchronization.

Problem Solving: Strong analytical skills in debugging, optimization, and scalability challenges.