

# Chandan Kumar Verma

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## PROFESSIONAL SUMMARY

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Computer Science undergraduate (B.Tech, 2026) with strong expertise in React.js, Node.js, Express.js, MongoDB and C++. Experienced in building scalable full-stack web applications, RESTful APIs, and secure authentication systems. Strong problem-solving mindset with hands-on experience in data-driven applications, API integrations, and performance optimization. Seeking a Software Development role to build high-performance, production-ready systems.

## EDUCATION

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**Vellore Institute of Technology**

*Bachelor of Technology in Computer Science and Engineering*

Nov 2022 – Present

*CGPA: 7.86*

## TECHNICAL SKILLS

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**Languages:** C, C++, Python, JavaScript

**Web Technologies:** HTML, CSS, React.js, Node.js, Express.js, Tailwind CSS

**Databases:** MongoDB, MySQL

**Libraries & Tools:** Pandas, NumPy, Git, GitHub

**Core Concepts:** RESTful APIs, Data Structures and Algorithms, JWT Authentication, RBAC

## PROJECTS

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### **AI-Powered Blog Application | MERN Stack, Google Gemini API, ImageKit [GitHub]**

- Developed a full-stack blogging platform with RESTful APIs supporting content creation, editing, and deletion.
- Integrated Google Gemini API for automated content generation, reducing manual writing effort by **60%**.
- Optimized media delivery using ImageKit, improving page load performance by **40%**.
- Implemented JWT-based authentication and role-based access control for secure user management.

### **Mediguard | React.js, Node.js, Express.js, MongoDB [GitHub]**

- Designed an internal MERN-based pharmacy inventory system managing 100+ medicine batches with **5-level** progressive expiry alerts and **30-day** inventory loss forecasting.
- Built decision-support analytics, including demand drift detection (**±25**) and expiry-aware pricing recommendations for proactive risk assessment and prioritization.
- Architected compliance-focused security using single-admin RBAC, expired medicine disposal workflows, and immutable audit logs, ensuring **100%** blocking of expired-stock actions.

### **CortexSupport | MongoDB, Express.js, React.js, Node.js [GitHub]**

- Engineered a full-stack AI-powered customer support SaaS using MERN, automating ticket classification, priority prediction, sentiment analysis, and multilingual translation to reduce manual triage effort by **60%**.
- Executed role-based workflows for Users, Agents, and Admins, including intelligent agent load-balancing, AI-assisted reply generation, and JWT-secured access control, improving ticket resolution efficiency by **45%**.
- Established analytics-driven support insights with CSAT scoring, agent performance metrics, and category-level trend analysis, enabling data-driven decision-making and scalable customer support operations.

## CERTIFICATIONS

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**Generative AI Career Essentials — IBM Career Education (Jan 2025 – Apr 2025)**

**Full Stack Developer — MERN Stack, SmartBridge x MongoDB (Jan 2025 – Apr 2025)**

## EXTRA-CURRICULAR ACTIVITIES

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**Event Management Team Member – Coordinated university events with 3000+ participants, managing logistics and cross-functional collaboration.**

**Volunteer – ADVITYA Fest – Managed 10+ technical and cultural events, ensuring smooth coordination among teams and stakeholders.**