

Chandan Kumar Verma

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PROFESSIONAL SUMMARY

Computer Science undergraduate with strong experience in full-stack MERN applications and AI-integrated systems. Skilled in building secure, scalable RESTful APIs, implementing JWT-based authentication, and delivering data-driven analytics. Proven ability to automate workflows, improve operational efficiency, and translate real-world problems into production-ready software solutions.

EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Nov 2022 – Present

CGPA: 7.86

TECHNICAL SKILLS

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

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]

- Developed 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.
- Implemented 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%**.
- Implemented 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%**.
- Built 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

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

Event Management Team Member — Coordinated university events with 3000+ participants

Volunteer, ADVITYA Fest — Managed 10+ technical and cultural events