Chandan Kumar Verma

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EDUCATION

Vellore Institute Of Technology　　　　　　　　　　　　　　Nov 2022 – Present
B.Tech in Computer Science and Engineering　　　　　　　　　　　*CGPA: 7.82*

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript
Web: HTML, CSS, React.js, Node.js, Express.js, TailwindCSS
Database: MongoDB, MySQL
Tools/Platforms: Git, GitHub
Libraries/Frameworks: Pandas, NumPy
Core Skills: RESTful APIs, Data Structures and Algorithms

PROJECTS

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

- Developed a full-stack blog platform implementing RESTful APIs for content creation, editing, and deletion.
- Integrated Google Gemini API to automate content generation, reducing manual effort by **60%**.
- Optimized image delivery using ImageKit, improving page load time by **40%**.
- Implemented JWT-based authentication and role-based access control.

Mediguard | React.js, Node.js, MongoDB, Express.js [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.

Expense Tracker Web Application | MongoDB, Express.js, React.js, Node.js [GitHub]

- Built an expense tracking application with modular features for categorizing and filtering expenses.
- Designed backend services to support secure CRUD operations and user-specific data handling.
- Improved frontend efficiency by **30–35%** using React Hooks and optimized state management.

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 — Coordinated 10+ technical and cultural events