Kajal Verma

B.Tech Computer Engineering | NIAMT Ranchi (2023–2027)
Email-kajalverma6263@gmail.com |Phone +917000235024 | **GitHub** | **LinkedIn** | **LeetCode**|**HackerRank** | Portfolio

Profile Summary

Full-stack MERN/Next.js developer and 3rd-year Computer Engineering student at NIAMT Ranchi. Experienced in building secure, scalable applications using modern web technologies. Developed real-world projects like a personal finance tracker, a dairy e-commerce platform, and a secure agent management system.

Skilled in implementing **backend security features** including **JWT authentication**, **CSRF protection**, **CORS handling**, **Helmet middleware**, **XSS prevention**, and **Winston-based IP logging**. Strong foundation in **data structures**, **CS fundamentals**, **backend integration**, and **cloud deployment**. Proficient in applying **software engineering principles across the SDLC**, with a focus on clean code and scalability.

Experience

Ex-AI Intern – Microsoft Azure AI (AICTE Virtual Internship)   May 2025 – June 2025
  - Completed a 4-week virtual internship focused on Microsoft Azure AI technologies.
  - Worked with Azure Cognitive Services, Language Studio, and responsible AI tools.
  - Built and deployed an AI-powered chatbot using Hugging Face transformers.
  - Explored prompt engineering, ethical AI practices, and real-world AI integration.

Ex-Full-Stack web Developer Intern @ EYGDS (AICTE Virtual Internship)Certificate   Feb 2025-March 2025
  - Developed a secure UmaDairy webpage using the MERN stack.
  - Implemented authentication, payments, and admin features with focus on scalability.
  - Optimized backend APIs, improved database performance, and automated tasks.
  - Gained hands-on experience in backend scaling and real-time integrations.

Projects

Personal Finance Visualizer
Tech Stack**- Next.js, TypeScript, MongoDB, Tailwind CSS, Recharts**
LiveDemo|SourceCode
  - Built a full-featured finance tracker with transaction management and analytics.
  - Implemented pie/bar charts for monthly vs all-time tracking using Recharts.
  - Mobile-friendly UI with clean design (shadcn/ui), deployed on Vercel.

  - Followed software engineering best practices like modular design, API optimization, and Git-based version control.
  - *Use Case:* Helps users track monthly budgets and spending patterns visually.

Agent Management System
Tech Stack**- React.js, JavaScript, MongoDB, Tailwind CSS,Express.js,Node.js.**
LiveDemo|SourceCode
  - Role-based system with secure agent login, admin panel, and JWT authentication.
  - Integrated **CSRF protection**, **XSS filtering**, **CORS handling**, **Helmet middleware**, and **Winston-based IP logging** for enhanced security,
  - Supports multi-admin task uploads via CSV/Excel and real-time performance tracking.
  - **Use Case**: Ideal for managing distributed field teams or support agents efficiently.

UmaDairy E-commerce Web App
Tech Stack**- React.js, JavaScript, MongoDB, Tailwind CSS,Express.js,Node.js, Cashfree, Shiprocket, OAuth.**
LiveDemo|SourceCode|**Frontend|Backend**
  - Built a dairy e-commerce platform with Google OAuth, secure login, dynamic cart, admin panel & Cashfree payment API.
  - Used GitHub for CI, Render for deployment, integrated Shiprocket & support chatbot (HuggingFace Mixtral).
  - Use Case: Designed to support my mother's dairy business with direct customer reach and digital operations.

Skills

Languages & Frameworks: HTML, CSS, C, C++, Java, JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, MongoDB, SQL.
Core Concepts: OOPs, REST APIs, Secure Coding Practices, Database Design, API Optimization.
Problem Solving:
  - Solved 17+ LeetCode problems in C++ on topics like Arrays, Strings, Graphs (BFS/DFS), DP, Recursion, Backtracking, Linked Lists, Trees, and Binary Search.
  - Focused on company-tagged questions for SDE/SWE preparation.
  - Strong in Sliding Window, Greedy, Heap, Backtracking techniques.
Tools & Platforms: VS Code, GitHub, Postman, Thunder Client, MongoDB Atlas, Docker.
Security: JWT Auth, CSRF Protection, XSS Prevention, IP Logging (Winston).
Cloud & DevOps: Render, Vercel, Netlify
  - Configured CI/CD pipelines using GitHub Actions and Vercel
  - Deployed full-stack apps with secure REST APIs on cloud platforms.
Soft Skills: Teamwork, Communication, Problem Solving, Time Management
Languages Known: Hindi, English

Education

National Institute of Advanced Manufacturing Technology (NIAMT)   Aug 2022-May 2027
B.Tech in Computer Engineering -Currently in 3rd year of study –CGPA | 8.29

Jawahar Navodaya Vidhyalaya   Jabalpur
Matriculation (Class 10) CBSE | 83%   April 2018 – March 2019
 Intermediate (Class 12, PCM) CBSE | 82%   April 2020 – March 2021

Extra curricular Activities

Member of Ensemble Club NIAMT

Actively participate in group activities and events , contributing to the organization's initiatives and fostering collaboration among members.

Achievements

- **Represented JNV Jabalpur at National-level Chess Tournament (2018) in JNV wayanad**
- **5-Star HackerRank in Problem Solving / JavaScript Link**
- **Active GitHub , LeetCode & HackerRank contributor**