GAURAV KUMAR JHA

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SKILLS

- **Languages:** C, C++, Java, Python, JavaScript, TypeScript
- **Frontend:** React.js, Next.js, Redux, Redux-Toolkit, Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs, Spring Boot, SOAP (basic understanding)
- **Databases:** SQL, MongoDB, PostgreSQL, MySQL, Redis
- **Tools:** Git/GitHub, Linux, Docker, Postman
- **Coursework:** System Design, Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks

EDUCATION

ARKA JAIN UNIVERSITY   Jamshedpur, Jharkhand
Bachelor of Computer Applications (CGPA: 9.70)   2023 – 2026 (Expected)

PROJECTS

CONNEXA (MERN Stack Chat app)
- Achieved **99%** message delivery under 200ms latency by implementing WebRTC (Socket.io) with read receipts and real-time sync.
- Increased user engagement by 40% using Gemini AI integration for text & image models in chat.
- Scaled to 5000+ concurrent users by applying JWT authentication, encrypted sessions, and optimised MongoDB schema design.

Job Nest (MERN Stack Job Portal)
- Reduced recruitment workflow time by 45% by developing a role-based job portal with employer posting, resume submissions, and applicant tracking.
- Improved resume query speed by 60% through optimised MongoDB indexing and JWT-secured APIs, while troubleshooting performance bottlenecks for smoother workflows.

Dharohar Mart (MERN Stack E-commerce Store)
- Built an online grocery store with Increased order processing efficiency by 35% by building a catalogue, checkout, and tracking system in MERN.
- Achieved real-time stock accuracy (100%) by automating inventory updates in MongoDB.
- Enhanced page load performance by 50% via scalable Node.js APIs

ACHIVEMENTS

Hack Horizon Hackathon (2025)
- Top 5 teams among 80 and 250-plus candidates.
- Built a healthcare web application with personal health assistance and disease predictions.

CURRENTLY LEARNING

- **System Design:** Focusing on scalability, enterprise software, database sharding, load balancing, reverse-proxy and distributed systems, experienced in troubleshooting application issues and optimising workflows for operational scaling.
- **AI/ML:** Covering supervised & unsupervised learning, ML models (SVM, k-NN, Decision Trees), and NLP.