

Gourav Kumar Pandey

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EDUCATION

Arka Jain University

Bachelor of Technology in Computer Science

2022 – 2026

CGPA: 8.40

EXPERIENCE

Blockchain Intern

May – Aug 2025

NIT Jamshedpur

Jamshedpur (On-Site)

- Developed a blockchain-powered healthcare system ensuring secure storage and management of patient records.
- Added 5 new modules to expand functionality and improve real-world usability.
- Implemented smart contracts to ensure tamper-proof access and transactions across patient records.
- Collaborated with mentors to refine system architecture for scalability, security, and healthcare compliance.

Backend Intern

May – July 2024

Techmantra Global

Noida (Remote)

- Worked mainly on backend development, building RESTful APIs and implementing key business logic.
- Connected the backend with MySQL, designed tables, managed data flow, and stored data efficiently.
- Added user login, access control, and security features to protect the application.
- Improved system reliability by adding error handling, data validation, and performance optimizations.

PROJECTS

QuickFix — AI Complaint Management System | React, Node.js, MongoDB, DeepSeek R1

GitHub link

- Built an AI-powered complaint system with real-time updates and role-based dashboards.
- Integrated sentiment analysis and priority detection using DeepSeek R1.
- Added AI-based smart categorization for complaints (Billing, Technical, Service, etc.).
- Implemented secure authentication and backend APIs for complaint workflows.

Video Chat App | React, Node.js, WebRTC, Socket.IO

GitHub link

- Built a real-time video chat app using WebRTC for streaming and Socket.IO for communication.
- Built a backend using Node.js and Express to handle room setup, user signals, and connections.
- Implemented user authentication, room-based routing, and error handling for seamless video call experience.
- Got practical experience with real-time communication and socket connections.

DigiArogya | React, Tailwind, Ether.js, IPFS, Solidity, MetaMask, Ganache, Truffle

GitHub link

- Built a blockchain-based healthcare system to securely store and manage patient records with controlled access.
- Integrated Ethereum smart contracts with Ether.js and MetaMask.
- Implemented decentralized file storage with IPFS for tamper-proof medical records.
- Used Ganache for local blockchain setup and Truffle for building, testing, and deploying smart contracts.

TECHNICAL SKILLS

Languages: JavaScript, Java, C++, SQL (MySQL)

Frameworks: React.js, Node.js, Express.js, Redux, Tailwind CSS, Material-UI

Databases: MongoDB, MySQL

Developer Tools: Git, Docker (Basic), VSCode, Postman

ACHIEVEMENTS

Top Winning Team, IBM National Hackathon 2025 — Recognized for outstanding innovation and technical excellence.

Hack Horizon Hackathon — Ranked 13th among the top 30 teams out of 120+ teams at Arka Jain University.

CodeFest, Arka Jain University — Secured 2nd place during the Engineering Day competition.

NPTEL Certification — Certified in Software Engineering.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Technical Lead, GDG On Campus AJU (2025–2026) — Spearheaded technical initiatives, organized workshops on Google technologies, guided peers in coding practices, and contributed to building a strong developer community on campus.

Vice Chairperson, IEEE Student Branch, Arka Jain University (2024–2025) — Oversaw chapter operations, coordinated flagship events, managed cross-functional teams, and promoted technical engagement among students.

Team Member, Gate Club, Arka Jain University — Planned and assisted in events, guided peers in GATE preparation, and contributed to academic discussions.