

Vinay Kumar

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Education

Indian Institute of Information Technology, Kota

Aug 2023 – June 2025

B.Tech in Computer Science and Engineering

CGPA: 6.95

- **Coursework:** C Programming, Data Structures and Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Computer Architecture

Projects

Medicare — Patient Management System

[GitHub](#)

- Developed a role-based Patient Management System supporting **3 user roles** (patient, admin, doctor) and handling **100+ appointment records** during testing.
- Implemented secure authentication using JWT and integrated Cloudinary for image uploads.
- **Tech Stack:** React, Express.js, MongoDB, Node.js, Tailwind CSS, Mongoose, JWT, Axios

LinkSuraksha — Privacy-First Payment System

[GitHub](#)

- Designed a privacy-first payment gateway system enabling secure digital transactions without exposing bank account, UPI, or card details.
- Replaced sensitive payment information with temporary, encrypted service accounts to enhance user privacy.
- **Tech Stack:** React, Node.js, MongoDB, Tailwind CSS, Cryptography

Auditorium Booking System

[GitHub](#)

- Built a centralized auditorium booking platform for IIIT Kota to manage reservations, scheduling, and real-time availability.
- Enabled users to submit booking requests with event details and track approval status.
- **Tech Stack:** React, Express.js, MongoDB, Tailwind CSS, Cloudinary

Experience

Software Engineering Job Simulation — Forage

May 2025

Certificate

- Completed a structured software engineering simulation involving **5+ real-world tasks** across system design, debugging, and testing.
- Analyzed application workflows to identify multiple edge cases, improving reliability and reducing potential runtime issues.
- Applied Agile development practices by delivering iterative solutions and validating outcomes through testing.

Co-Coordinator — CodeBase, IIIT Kota

Jul 2025 – Apr 2026

- Collaborated with a core team of **10+ developers** on the Daymate project, contributing to feature planning, code reviews, and architecture discussions.
- Co-organized **HackTheChain 3.0**, a 36-hour national-level hackathon with participation from **40+ teams and 150+ students**.
- Managed event logistics, mentor coordination, and execution, ensuring **100% on-time completion**.

Skills

Languages: C++, JavaScript, HTML

Frameworks & Libraries: React, Next.js, Bootstrap, WordPress

Databases: MongoDB, MySQL, Convex

Tools & Technologies: Git, JWT, Cloudinary, Postman, Vercel