

Vinay Gupta

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Education

MCA, NIT Jamshedpur *Jharkhand, India* **08/2022 - 05/2025**
Master of Computer Application - 7.48 CGPA

BCA, CSJMU Kanpur *Uttar Pradesh, India* **08/2017 - 06/2020**
Bachelors of Computer Application - 63%

Skills

Programming Languages: C, C++, Core Java, Python, Shell

Web Technologies: HTML, CSS, Tailwind CSS, JavaScript, Node.js, Express, Mongoose, JWT

Frameworks & Libraries: Reactjs, Nodemailer

Databases: MySQL, MongoDB

Software & Tools: Visual Studio Code, Linux, Git, Postman

Projects

Dispensary Management System: (07/2024)

Full Stack Developer | **Technologies:** MERN Stack (MongoDB, Express.js, React.js, Node.js), Context API, Tailwind CSS, Brevor.

- Developed and maintained a full-stack web application with features like **inventory management**, **patient history tracking**, and campus-specific patient **validation using ID** verification for **4500+** users.
- Led secure **authentication** with express-session, passport, and OTP verification, integrated AI assistance, and implemented **role-based access** control using Context API for 100+ users.
- Achievements:** Enabled **admin-centric control**, improving system security and management efficiency by 80%, and enhanced user experience, improving interface engagement and usability by 40%.

Blog_Post: (01/2024)

Backend Developer | **Technologies:** EJS, bcrypt, JWT, Mongoose, Express, Cloudinary, Multer, Postman

- Orchestrated a secure system for user registration and **post management**, utilizing **JWT for authentication**, Cloudinary for storage, and Postman for **API testing**, improving security and functionality.
- Achievements:** Successfully integrated over **5 open-source contributions** to enhance UI and documentation, improving user experience and system reliability.

Encryption_and_Decryption: (03/2023)

Class Project | **Technologies:** C++, STL, File and Error Handling

- Crafted a custom **C++ algorithm mapping** 26 characters to emojis for encryption and decryption, implementing file handling for secure storage of up to 1,000 messages.
- Successfully implemented and tested a robust encryption system, **achieving 100% accuracy**.

Experience

Coding bits: (Backend Mentor) (05/2024 - 07/2024)

- Mentored & Guided:** Supported **50+ junior** developers in mastering backend technologies like Node.js, Express, MongoDB, and JWT.
- Technical Sessions:** Delivered 50+ technical sessions, enhancing my mentoring and leadership skills.

Acheivements

Legis_Forum: (Freelancing Project) (05/2021 - 07/2021)

- Ranked #1 on Google Search:** Designed a customer query resolution and boosted client's online presence, resulting in a 50% increase in customer engagement through a custom-built website.

Active GitHub Contributor:

- Achieved **100+ contributions** with **10+ PRs** successfully merged, demonstrating strong collaboration and teamwork.

Leetcode: Solved over 150 DSA problems on LeetCode and more than 100 problems on **GeeksforGeeks**.

Leadership

Ethics and Value Club: (Discover Yourself Event) (01/2023)

- Demonstrated leadership:** Coordinated the **Sphoorti Camp** sponsored by TATA STEEL, leading a team of 50+ juniors.

Go Green Club: (Plantation Event) (10/2022)

- Promoted Environmental Stewardship:** Led a plantation event where over 100 peers planted and committed to caring for 500+ trees, fostering environmental responsibility.