

CHIRANSHU KUMAR KAPIL

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EDUCATION

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|-------------------------------|-----------|--|--------|
| B.TECH (Computer Engineering) | 2022-2026 | Delhi Technological University, New Delhi | 8.33 |
| CBSE (Class XII) | 2021 | Saraswati Bal Mandir Sr. Secondary School, New Delhi | 90.2 % |
| CBSE (Class X) | 2019 | Saraswati Bal Mandir Sr. Secondary School, New Delhi | 88.4 % |

EXPERIENCE

Intern | Power Grid Corporation of India Ltd. | Jun 2025 – Aug 2025

- Developed a Document Storage System using ASP.NET Core MVC, MSSQL, and internal REST APIs to manage departments, libraries, hierarchical topics, and documents with secure access control.
- Implemented role-based authentication and authorization with ASP.NET Identity, ensuring 100% enforcement of read, write, and delete permissions across modules.
- Built document lifecycle features including upload, download, metadata storage, validation (file type/size), and secure file path mapping, ensuring reliable and compliant handling.
- Applied modular MVC architecture and optimized CRUD operations, reducing data retrieval time by 30% and improving scalability and maintainability.

PROJECTS

Interactive Quiz Application | [Link](#) | React.js, JavaScript, CSS

- Engineered a responsive quiz platform with gamification and a real-time timer, enhancing engagement and increasing session duration by 50% on average.
- Conducted question shuffling, answer validation, and a scoring system, boosting quiz completion rates.
- Integrated API-based data fetching with a countdown animation and real-time timer, reducing load times by 25%.
- Deployed local storage for badges and progress tracking, enhancing user retention.
- Optimized state management with React hooks, minimizing unnecessary re-renders and improving app responsiveness.

Expense Tracker Backend API | [Link](#) | Node.js, Express.js, MongoDB, REST API, Postman

- Developed a robust RESTful API to manage user incomes, expenses, and real-time balance updates, enhancing transaction accuracy and data integrity.
- Enforced secure route protection across 100% of API endpoints using custom Express middleware and JSON Web Tokens (JWT) for authentication and authorization.
- Designed 2 MongoDB schemas with Mongoose and executed 100+ Postman test cases to ensure performance and fault tolerance.
- Applied modular architecture with Express Router and controllers to promote maintainability and clean code separation.

TECHNICAL SKILLS

- C++, HTML, CSS, Javascript, React.js, Node.js, Express.js, ASP.NET Core
- Git, VSCode, MySQL, MongoDB, MSSQL
- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Management System, Computer Networks, Software Engineering, Object Oriented Programming

POSITIONS OF RESPONSIBILITY

PR Department member, Engifest DTU - December 2022-December 2023

- Directed comprehensive communication strategies and coordinated outreach to 50+ colleges, enhancing engagement and visibility.
- Maintained an up-to-date participant database and facilitated the seamless organization of Engifest, leading to a 25% increase in attendance.

Mentor, Desh Ke Mentor Initiative Govt. of NCT of Delhi - January 2023-April 2023

- Led and coordinated mentorship initiatives for 25 students in the Desh Ke Mentor Program, providing comprehensive support for academic excellence and personal growth.
- Achieved a 92% satisfaction rate among participants through tailored guidance and effective development strategies.

OTHER INFORMATION

- Linkedin - [LinkedIn Profile](#)
- Leetcode - [LeetCode Profile](#)
- GFG - [GFG Profile](#)