

ABHAY KUMAR

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Education

Indian Institute of Information Technology, Una

Nov 2022 – Present

B.Tech in Computer Science and Engineering

CGPA: 8.33/10

Relevant Coursework: Data Structures and Algorithms, Operating Systems, DBMS, Software Engineering, Computer Networks

Technical Skills

Languages: C++, Python, JavaScript, TypeScript, SQL, HTML, CSS

Frameworks/Libraries: React.js, Next.js, Express.js, Node.js,

Databases: MongoDB, MySQL

Tools: Git, GitHub, Firebase, Postman, VS Code

Concepts: OOP, Data Structures, Algorithms, Operating Systems, REST APIs, Computer Networks

Experience

Redux Corporation Private Limited

Apr. 2025 - Present

Software Developer Intern (Remote)

- Developed and optimized 15+ RESTful APIs for **ArogyaRX** healthcare platform using Node.js, Express.js, and MongoDB, improving system performance by 30% through query optimization and Redis caching
- Collaborated with cross-functional teams to design patient-centric UI/UX flows using React.js, resulting in 40% increase in user retention
- Integrated third-party healthcare services including appointment booking and lab test systems, reducing manual processing time by 60%

Projects

Top Scorer

July 2024 – Present

MERN Stack, Socket.IO, JWT

GitHub — Live

- Engineered a real-time sports event tracker supporting live score updates, team management, and event dashboards.
- Built using React.js frontend and Express.js backend with secure JWT-based authentication and WebSocket integration.
- Enabled 100+ students to track and manage inter-college events with a seamless UX.

Twitty-Tube

Oct 2024 – Dec 2024

Node.js, MongoDB, Cloudinary, Express.js

GitHub

- Developed a platform integrating video sharing (YouTube) and microblogging (Twitter) with authentication and media storage.
- Optimized API performance with indexed MongoDB schemas and secure media uploads via Cloudinary.
- Implemented email verification and JWT authentication for enhanced security.

Short URL

Jan 2025

Next.js, TypeScript, Node.js

GitHub

- Created a high-performance URL shortening platform with TypeScript and dynamic server-side rendering using Next.js.
- Integrated caching mechanisms and RESTful APIs to improve performance and scalability.

Positions of Responsibility

Core Member, EPMOC Club

Dec 2022 – Present

IIT Una

- Organized and executed 5+ campus-wide events; led logistics and team coordination.
- Mentored 20+ junior members in public speaking, event planning, and operations.

Achievements

- **Codeforces:** Achieved **Pupil rating (1290)** demonstrating competitive programming proficiency.
- **Contests:** Ranked **24/80** in Coderush by AlgoUniversity and **1564 globally** in Meta Hacker Cup Round 1.
- **Problem Solving:** Solved **700+ problems** across **Leetcode** and **GeeksForGeeks**.
- **College Events:** Secured **1st prize** in Passing The Codebase and Robo Drive during technical fest.