

ABHAY KUMAR

+91 8210325981 abs220502@gmail.com LinkedIn GitHub Portfolio

Education

Indian Institute of Information Technology, Una

Nov 2022 – Present

B.Tech in Computer Science and Engineering

CGPA: 8.33/10

Key Courses: Data Structures and Algorithms, Operating Systems, Database Management, Computer Networks, Software Engineering

Technical Skills

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

Frameworks Libraries: React.js, Next.js, Express.js, Node.js, Django REST Framework

Databases: MongoDB, MySQL, PostgreSQL

Tools Platforms: Git, GitHub, Docker, Postman, Firebase, Vercel, GitHub Actions

Core Concepts: Object-Oriented Programming, Data Structures Algorithms, RESTful APIs, JWT/OAuth, OS Internals, Networking

Professional Experience

Redux Corporation Private Limited

Apr 2025 – June 2025

Software Developer Intern (Remote)

- Engineered and optimized 15+ high-performance REST APIs for **ArogyaRX** healthcare platform using Node.js and MongoDB, boosting efficiency by 30% with Redis-based caching.
- Collaborated cross-functionally with UI/UX teams to deliver responsive, accessible frontend in React.js, leading to a 40% increase in engagement.
- Integrated third-party APIs for healthcare services, automating workflows and reducing manual overhead by 60%.

Projects

Top Scorer

July 2024 – Present

MERN Stack, Socket.IO, JWT

GitHub — Live

- Built a scalable real-time sports management platform with live scoring, admin dashboards, and team handling.
- Implemented WebSocket-based communication for real-time updates and secure JWT authentication for users.
- Adopted modular architecture, impacting 100+ student users with seamless experience.

Twitty-Tube

Oct 2024 – Dec 2024

Node.js, MongoDB, Cloudinary, Express.js

GitHub

- Built a hybrid media platform merging video sharing (YouTube-style) and microblogging (Twitter-style).
- Integrated email-based account verification, JWT authorization, and efficient media handling with Cloudinary.
- Enhanced scalability with MongoDB indexing and optimized route design.

Short URL

Jan 2025

Next.js, TypeScript, Node.js

GitHub

- Developed a performance-driven URL shortener using server-side rendering (Next.js) and RESTful architecture.
- Implemented caching and analytics-ready structure to support scalable redirection.

Leadership Volunteering

Core Member, EPMOC Club

Dec 2022 – Present

IIIT Una

- Spearheaded planning and execution of 5+ institutional tech/cultural events, managing teams of 10+.
- Trained and mentored over 20 peers in event management, communication, and operational strategy.

Achievements

- Codeforces:** Attained **Pupil rating (1290)**, demonstrating algorithmic problem-solving proficiency.
- Competitive Contests:** Ranked **24/80** in Coderush by AlgoUniversity and **1564 globally** in Meta Hacker Cup Round.
- Problem Solving:** Solved **250+** problems on **GeeksForGeeks**.
- Hackathons Campus Events:** Won **1st prize** in "Passing The Codebase" and "Robo Drive" during institute tech fest.