

Dhiraj Kumar

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EDUCATION

Masters of Computer Applications, COER University, Roorkee

2024-2026

Bachelor of Computer Applications, COER University, Roorkee

2021-2024

SKILLS

Programming Languages : TypeScript, Java, JavaScript, Python, C++, HTML5, CSS3

Backend Development: Node.js, Flask, Spring Boot, REST APIs, MVC, Spring Data JPA, Hibernate

Frontend Development: Next.js, React.js, TailwindCSS

Databases : MongoDB, MySQL, Redis

Others : Git, Docker, Linux, AWS, Nginx, Postman, CI/CD

EXPERIENCE

Software Developer, Kimbly Labs

Jan 2026 – Present

- Built and maintained backend systems for custom algorithmic trading platforms using **Flask**, **Python**, **MySQL**, and **Redis**, including broker integrations, REST APIs, trading automation, and real-time workflows.
- Improved performance and reliability through caching, database optimization, and Linux-based deployments for scalable production trading systems.

Full Stack Developer Intern, Ritz Media World

May 2025 – July 2025

- Developed and maintained full-stack features using **Next.js**, **Spring Boot**, and **MySQL**, built RESTful APIs, responsive UI components, and optimized SQL queries, improving API response time by **20%** and frontend load speed by **15%**.
- Engineered **ETL pipelines for database migration** using **Python** and **MySQL**, enabling seamless migration of over **2K+ records** with **99.9%** data accuracy and zero critical downtime.

Backend Developer Intern, To-Let Globe

December 2024 – February 2025

- Created scalable APIs for a chatbot system, **improving user navigation** through **context-aware routing** resulting in **5%** decrease in bounce rate.
- Enhanced user experience, leading to a **12%** increase in user flow and higher engagement on platform.
- Refactored critical backend code paths and implemented best practices in API design, error handling, and data processing, resulting in a **10% faster response time** and an **8% server load reduction**.

PROJECTS

MiniUrl - URL Shortener : Spring Boot, Next.js, Redis, MySQL, AWS EC2, AWS RDS, Nginx

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- Built and deployed a production-grade full-stack application with a Next.js frontend and Spring Boot backend.
- Implemented JWT authentication, Redis caching and configured Nginx and systemd to handle HTTPS, CORS, auto-restart, and logging.

Men-Pack – NPM Package : Node.js, MongoDB, TypeScript, Express, CI/CD

[Github](#)

- Published an open-source package to automate boilerplate generation, increasing backend setup efficiency.
- Accelerated development workflows for 500+ users by offering reusable modules and standardized configurations.

AlgoVisual – DSA Visualizer : Next.js, TypeScript, TailwindCSS, Vercel

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- Built a website to visualize algorithms with step-by-step animations and real-time pointer tracking.
- Improved learning clarity and concept retention through visual execution flow and progression tracking.

MyAPI – API Rate Limiter: Java Spring Boot, JWT

[Github](#)

- An API rate limiter using the token bucket algorithm to control per-IP request rates.
- Enhanced system reliability and scalability by integrating customizable, production-ready middleware.

ACHIEVEMENTS

- HackVerse'24 Marathon 36 hours coding at Tula's Institute.
- Secured 3rd position in Manthan National Level Hackathon 24 at COER University.