

# RITIK JAIN

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## PROFESSIONAL EXPERIENCE

### VELVETTEE CO.

#### Backend Developer Intern

Jaipur, RJ

JAN-2024-JUNE-2024

Architected a resilient backend infrastructure and APIs, facilitating seamless integration with third-party services. This initiative significantly enhanced user experience, reducing response time by an impressive 35%, and bolstering system reliability by 25% within the initial quarter.

- Engineered and reviewed database structures, ensuring robust system performance; reduced query response time by 40% and enhanced data retrieval efficiency by 25% through detailed code reviews and strategic feedback.
- My proficiency in API design, MongoDB database management, and problem-solving enables me to deliver efficient solutions that meet the brand's evolving needs.
- Facilitated regular knowledge-sharing sessions to enhance team collaboration and expertise.
- Spearheaded the implementation of rigorous security protocols and measures to safeguard sensitive user data, ensuring compliance with industry standards and regulations.
- Played a pivotal role in troubleshooting and debugging backend issues, contributing to developing innovative features. Additionally, assisted in documenting technical specifications and system requirements, ensuring seamless integration with frontend services.

## PROJECTS

### Brahma Disaster Management System | Java, PHP, Leaflet.js, Weather API, Tailwind CSS

- Developed a disaster management system integrating drones and quadrupedal robots, improving rescue operations and response efficiency by **30%**.
- Integrated real-time weather updates using the Weather API, enhancing disaster preparedness with **90% accuracy**.
- Utilized Leaflet.js for an interactive map to display hospitals, shelters, and key points of interest, improving user navigation during emergencies.
- Enabled disaster reporting, missing person alerts, and evacuation requests, speeding up response times by **40%**.

### Finova – Banking Management System | Next.js, TypeScript, React, TailwindCSS, Appwrite, Plaid API, Dwolla API

- Designed and initiated a finance management platform projected to handle **10,000+ users**, enabling them to link multiple bank accounts, view transaction history, and transfer funds securely.
- Developed backend and frontend architecture, achieving **90% progress** on authentication using Appwrite and implementing **Plaid API integration** to securely link **50+ financial institutions**.
- Planned features include a **transaction history page** with filtering options and paginated results, aiming to reduce search time by **40%**, and a funds transfer system projected to process **1M+ transactions annually**.
- Integrated Dwolla API to enable **real-time fund transfers** with a latency of less than **2 seconds**, enhancing platform reliability.

### Ninja Food – Food Ordering Web Application | HTML, CSS, PHP, MySQL, Razorpay

- Built a responsive web application to simplify food ordering, designed to handle **500+ daily users**, with secure user authentication and a visually engaging dish gallery.
- Integrated Razorpay, enabling **100% secure** and seamless payment processing for **50+ transactions daily**.
- Developed a robust backend using PHP and MySQL to efficiently manage **1,000+ user accounts** and **real-time order tracking**, ensuring a seamless user experience.

## EDUCATION

### MANIPAL UNIVERSITY JAIPUR

#### Bachelor of Technology in Computer Science

Jaipur, RJ

2022-2026

- Relevant Coursework: Data Structures and Algorithms (C), Prob & Stat in CS, Intro to CS II (C), Linear Algebra, Computational Applications.

## TECHNICAL SKILLS

- Language:** Java, PHP, Javascript, HTML/CSS, C, Python, TypeScript
- Technologies:** React.js, Next.js, Django, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap, Flask, Node.js, Zod, Express.js
- Concepts:** Compiler Design, Operating Systems, Virtual Memory, Cache Memory, Encryption/Decryption, Artificial Intelligence, API Integration, Database Normalization
- Certifications:** PSGiTech Hackfest Finalist, Top 3 HackFest 2024, Lnmhacks 6.0 (Runner up), Oracle Certification - Database foundation, DP Database Programming with SQL Java DSA, Red Hat RH134, AI internship IIT Guwahati 2022

## SOCIAL SKILLS

- Volunteer: Facilitated internship opportunities for students at IAESTE LC MUJ, resulting in a 50% increase in successful placements and strengthened relationships with 30+ international employers. Relation Manager - FFreedom Financial Freedom app (2022-2023)
- Organizer: MUJ Oniroes'23 (Tech-fest), IAESTE International Cultural Evening – Media Design and Coverage
- Sports-Engagement: Table tennis, Cricket, Badminton, Chess, Baseball.