Dhruv Singh

GitHub: dhruvs437 | LinkedIn: Dhruv Singh

Email: dhruvsinghs437@gmail.com | Mobile: +91 8169323941

Education

Indian Institute of Information Technology Jabalpur Jabalpur, India
B.Tech in Computer Science & Engineering *November 2020 – April 2024*

- **Key Coursework:** Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming, Operating Systems, Computer Networks, Software Engineering

Experience

Patrika News Jaipur, India
Software Development Engineer *March 2024 – Ongoing*

- Executed cost reduction strategies by migrating from Cloudflare optimization to WordPress VIP, enhancing image optimization and delivery, achieving a 30% reduction in server costs.
- Enhanced core web vitals for the Patrika News webpage, increasing Google ranking by 20%, with a 50% improvement in CLS and LCP metrics.
- Created short video features for web and mobile platforms, leading to a 25% increase in user engagement.
- Refined state management using Zustand with Next.js, optimizing application performance and scalability.
- Implemented a Native ads feature using Google Ad Manager, leading to a direct increase in ad revenue

Zithera IT Consulting Sydney, Australia
Software Development Engineer *January 2024 – February 2024*

- Engineered and integrated an image annotation feature using markerjs2 for a healthcare project, improving medical imaging accuracy by 15%.
- Developed a Daybook Task event feature similar to Apple Calendar, streamlining task scheduling and increasing team productivity by 20%.
- Resolved critical CSS issues, improving the overall responsiveness and user experience of the project.

Fusion IIIT Jabalpur, India
Software Development Engineer Intern *May 2022 – July 2023*

- Automated resume generation within the placement module, reducing manual processing time by 40%.
- Identified and addressed 5+ critical bugs through extensive testing, enhancing app stability and user satisfaction.

Projects

Trenders: E-commerce Website | React, JavaScript, Node.js, MongoDB — Link July 2023

- Created a responsive e-commerce platform featuring Gmail-integrated user registration.
- Implemented secure online payment processing through Razorpay API integration, ensuring reliable transactions.
- Designed an admin dashboard for efficient product management, reducing administrative workload by 15%.

Collegegram: Image Sharing Web Application | React, Express, MongoDB — Link May 2022

- Designed and deployed a scalable architecture for a photo-sharing platform with advanced user profile management, achieving an 80% user retention rate over six months post-launch.
- Boosted user engagement by incorporating personalized content strategies, leading to a significant 30% increase in active users.

Technical Skills

- **Languages:** C/C++, JavaScript, Java, Python, TypeScript, Docker
- **Frameworks:** React.js, Node.js, Express.js, Next.js, Tailwind CSS
- **Tools:** Git, VS Code, Jira, Asana, Hubstaff, AWS Amplify, Google Ad Manager
- **Databases:** SQL, MongoDB, GraphQL, DynamoDB, PostgreSQL

Achievements

- Solved 1500+ Data Structures and Algorithms problems on LeetCode, GFG, and Codeforces.
- Ranked Knight (1883) in the top 5% on LeetCode – Link