Divil Thakur

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Summary

Mern Stack Developer with strong problem-solving skills and a solid foundation in Data Structures and Algorithms. Proficient in building scalable, secure web applications using the MERN stack, RESTful APIs, and modern tooling, including Docker, Redis, and Rate limiting. Eager to contribute to innovative teams and deliver impactful solutions.

Education

Chitkara University, BE in Computer Science   2022 – 2026

- GPA: 8.8/10.0
- 12th Grade (CBSE): Scored 72% – Dayanand Model Senior Secondary School, 2022
- **Coursework:** Database Management System, Operating System, OOPS

Skills

- **Languages:** Java, JavaScript, TypeScript, C++
- **Web & Backend:** React.js, Node.js, Express.js, MongoDB, SQL
- **Tools:** Git/GitHub, Docker, Redis
- **DSA Practice:** Solved 150+ LeetCode problems in Java

Projects

Food Delivery App (MERN)   Live Demo

Developed a full-stack food ordering platform enabling real-time order placement and admin management

- **Dockerized** the MERN app with MongoDB and Redis containers; deployed via Docker Hub.
- Implemented **Redis caching**, reducing backend load and improving response times
- Applied **Rate limiting**, JWT-based route protection, and localStorage sessions for secure auth.
- Integrated **Cloudinary** for file uploads and created optimized REST APIs for user/admin ops.

Text to Image SaaS (MERN)   Live Demo

Designed using React, Node.js and integrated the Clipdrop API for high-quality image generation

- Added **forgot password** and **2FA OTP verification** via email with time-based expiry
- Implemented secure JWT-protected routes for gated access to premium features
- Integrated **Razorpay payments** for credit-based image generation and purchase flow
- Added search history with localStorage for prompt reuse and a modern, animated UI/UX

Discord Bot (Backend)   Live Demo

Dockerized Discord bot with slash commands, ensuring reliable 24/7 uptime and smooth interaction.

- Integrated external APIs **(Groq/OpenAI, trivia, etc.)** with async logic and interactive features including buttons and DMs
- Designed a flexible command structure with focus on error handling and interactive user experience
- Designed interactive and engaging user experiences using embeds, buttons, and reaction collectors

Certifications

- Introduction to Computer Networks – Coursera
- Operating Systems and You – Coursera

Interests

- **Chess:** Enhances strategic thinking and foresight, useful in planning complex architectures and debugging logic.
- **Gaming:** Boosts creativity, sharpens decision-making, and builds adaptability for dynamic environments.
- **Cricket:** Fosters team collaboration, discipline, and resilience under pressure, much like agile software development.