

DIVYANSH KARAN

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EDUCATION

Bachelor of Technology , VIT Bhopal University, Bhopal, Madhya Pradesh CGPA: 8.71/10	Expected 2026
Grade XII , Munam Public School, Hazaribagh Grade: 94%	2021
Grade X , Angels High School, Hazaribagh Grade: 84.8%	2019

SKILLS

- **Programming Languages:** C, C++, Java, Python, JavaScript, TypeScript, HTML, CSS, SQL
- **Frameworks & Libraries:** React.js, Next.js, Express.js, FastAPI, Tailwind CSS, ShadCN UI, Mantine UI
- **API & Integration:** RESTful APIs, GraphQL, WebSockets
- **Databases & Tools:** PostgreSQL, MongoDB, Redis, Kafka, Prisma, Supabase, Git, Docker,
- **DevOps & Cloud:** NGINX, Linux, Postman, Jest

PROJECTS

assisT FastAPI, React.js, PostgreSQL, Mistral AI, Gemini AI, OAuth, JWT	Mar 2025 – Apr 2025
<ul style="list-style-type: none">• Built a Google Classroom alternative with auto-graded assignments using FastAPI, PostgreSQL & Gemini LLM.• Designed RESTful APIs with OAuth2 and JWT authentication to ensure secure access for students and teachers.• Automated grading trigger at assignment deadline, integrating Mistral OCR and Gemini LLM for evaluation.• Used PostgreSQL as the data store with optimized relational schemas for fast document and score retrieval.	
EisLager React.js, Express.js, PostgreSQL, Kafka, Docker, NextAuth	Feb 2025 – Mar 2025
<ul style="list-style-type: none">• Developed an inventory and e-commerce platform with 4 user roles using Next.js and Express.js microservices.• Implemented dynamic sales dashboards and automatic bill generation with PostgreSQL and charting libraries.• Integrated WebSocket chat and event-driven architecture to ensure real-time stock and sales updates.• Secured user authentication with NextAuth and Dockerized all backend services for scalable deployment.	
Shelfspace Next.js, Express.js, PostgreSQL, Redis, Kafka, RAG, LLM	Jan 2025 – Present
<ul style="list-style-type: none">• Built a book discovery platform with microservices for users, books, reviews, and chat powered by Next.js.• Designed REST APIs and relational schemas for books, users, and reading groups with PostgreSQL.• Integrated a RAG-based chatbot with local LLMs and Kafka topics to deliver contextual recommendations.• Containerized all services with Docker and used Kafka to orchestrate cross-service communication.	

ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

- Solved over 1300 DSA LeetCode and GeeksforGeeks problems and maintained a 550+ day streak
- Completed LeetCode's SQL 50 challenge, mastering advanced SQL querying and optimization techniques.
- Volunteered as a coordinator for TCS on-campus drives.
- Secured 1st place in the DSA Tussle competition at AdvITYa 2024