DIVYANSH KARAN

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EDUCATION

Bachelor of Technology, VIT Bhopal University, Bhopal, Madhya Pradesh   Expected 2026
CGPA: 8.82/10

Grade XII, Munam Public School, Hazaribagh   2021
Grade: 94%

Grade X, Angels High School, Hazaribagh   2019
Grade: 84.8%

SKILLS

- **Programming Languages:** C, C++, Java, Python, JavaScript, TypeScript, HTML, CSS, SQL

- **Frameworks & Libraries:** React.js, Next.js, Express.js, FastAPI

- **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

- 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

- 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

- 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