

SHARDUL PATHAK

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Summary

Full-stack developer specializing in React/Next.js and Node.js/Express, currently building LLM infrastructure at Credex (LiteLLM-based API gateway, multi-model routing). Experienced in AI-integrated systems spanning multi-agent architectures, vector search, and real-time backend design, with hackathon recognition (Top 10, Final 25/200+) across multiple national competitions.

Technical Skills

Languages: JavaScript, TypeScript, Python, C++, SQL

Frontend: React.js, Next.js, Tailwind CSS, Redux

Backend: Node.js, Express.js, REST APIs, WebSockets

Databases: MongoDB, PostgreSQL, MySQL, Redis

AI/ML: LiteLLM, LLM API Integration, Multi-Agent Architecture, Vector Search, RAG

DevOps & Tools: Git, GitHub, Docker, CI/CD, Postman, Vercel, Render

Experience

Credex

July 2026 – Present

Full Stack Developer

Remote

- Building a unified API gateway for LLM providers, architected on top of LiteLLM to enable seamless multi-model routing and fallback.
- Designing and implementing core routing logic and request handling to ensure reliable, low-latency access across multiple LLM backends.

GeeksforGeeks Campus Body, RBU

Aug 2025 – Present

Technical Team Lead

Nagpur, India

- Led and contributed to the development of high-traffic event platforms serving the campus community, overseeing technical execution end-to-end.
- Designed REST APIs powering game logic, scoring, and real-time user progression across concurrent player sessions.

Projects

ContentOps AI | *Next.js, TypeScript, Prisma, TrueForge, Exa, MCP*

Ongoing

- Built an autonomous content operations platform where a coordinated team of six AI agents researches, strategizes, writes, reviews, illustrates, and publishes company blog content end to end.
- Orchestrated multi-agent workflows on the TrueForge harness with MCP tool integrations, parallel research subagents, live web search via Exa, and resumable execution streams, with full run, tool-call, and token-cost history.
- Engineered a human-in-the-loop approval gate that pauses the publisher before any external action, enforcing tested safety invariants (no publish without pending approval, double-decision rejection, rejected items stay cancelled).

PromptForge | *React, Node.js, Express, MongoDB, Redis, Razorpay*

- Built a two-sided marketplace for AI image prompts on a React 19 frontend and an Express 5 modular monolith with MongoDB and Redis, letting creators monetize prompts and buyers unlock them instantly after purchase.
- Integrated Razorpay with HMAC-SHA256 signature verification, idempotent webhook processing, and atomic MongoDB transactions to fulfill orders and grant entitlements without duplicate payments.
- Secured paid content with database-level redaction of locked prompts and added Redis cache-aside and distributed rate limiting, serving fast filtered search and a creator revenue dashboard.

Education

Ramdeobaba University

Aug. 2024 – May 2028

Bachelor of Technology in Computer Science

Nagpur, Maharashtra

Leadership / Extracurricular

Hackathons

2024 – 2025

Backend Developer / Team Lead

Nagpur, India

- IIIT-Nagpur Genathon 2.0: Led browser extension and backend development for Recollect AI
- NIT Hamirpur Electrothon 8.0: Managed the backend for Memora AI, ranking in the Top 10.

Competitive Programming

Self-Directed

- 2-star CodeChef rating (max 1501); 500+ problems solved across LeetCode, CodeChef, Codeforces.