

Koushik Das

koushik02269@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Kazi Nazrul University

Bachelor of Computer Applications

Asansol, West Bengal

2023 – 2027

EXPERIENCE

Code for Change Hackathon

NSHM Durgapur, WB

Backend Developer — 1st Runner-Up

Mar. 2025

- Developed backend for **ResuMate**, an AI-powered interview coaching platform, using Claude API for question generation and ElevenLabs API for speech-to-text/text-to-speech functionality
- Implemented resume parsing using mammoth.js and pdf-parse to extract and process candidate data from DOCX and PDF files
- Designed RESTful API architecture connecting frontend components with AI services, database, and collaborated with frontend team for seamless React integration

PROJECTS

Slyde - AI Video Generation SaaS | Next.js 15, TypeScript, Prisma, Express, PostgreSQL

Jan. 2026, Live

- Built full-stack AI video generation SaaS with multi-model support (Google Veo 3.1, Luma Ray, Sora 2, Kling v2.1, Minimax) using Express.js, Next.js 15, TypeScript, Prisma ORM, and PostgreSQL with 1000+ user capacity.
- Engineered credit-based payment system implementing serializable transaction isolation to prevent race conditions, integrated with admin dashboard for user management, payment tracking, and generation analytics.
- Integrated Replicate API with asynchronous webhook processing for real-time status updates, reducing API polling overhead by 85% and improving system responsiveness.
- Implemented secure authentication with Better Auth (Google OAuth, JWT), Zod validation, Express rate limiting, and Sentry monitoring protecting 15+ API endpoints.
- Deployed containerized application using Docker with optimized multi-stage builds, reducing image size by 60% and deployment time by 40%.

ZapDrop | Next.js 14, TypeScript, Prisma, NextAuth, AWS S3, Tailwind CSS

July 2025, Live

- Built secure file-sharing platform using Next.js 14, TypeScript, and Prisma ORM enabling file uploads with automatic expiry (2 hours to 1 day) for enhanced security.
- Implemented authentication with NextAuth.js (Google OAuth) and designed RESTful API routes with Zod validation for data integrity.
- Integrated AWS S3 (Cloudflare R2) with pre-signed URLs for scalable storage and PostgreSQL for file metadata management.
- Developed responsive UI with Tailwind CSS, Framer Motion, drag-and-drop functionality, and API rate limiting with Redis.

OPEN SOURCE CONTRIBUTIONS

React Bits | CSS, Responsive Design — 42k+ GitHub repo

Aug. 2026

- Fixed a mobile horizontal-overflow bug on the `/showcase` page caused by a fixed-row header layout; added a responsive media query so the layout switches to a column below 640px
- Diagnosed the issue, opened a pull request referencing the tracked GitHub issue, and got it reviewed and merged into the main branch of the widely-used open-source component library

TECHNICAL SKILLS

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

Frameworks & Libraries: Node.js, React.js, Next.js 14/15, Express.js, Tailwind CSS, Framer Motion, Prisma ORM, React Query

Databases: MongoDB, PostgreSQL, Redis

Authentication & Validation: JWT, NextAuth.js, Better Auth, Zod

Cloud Services & DevOps: AWS (EC2, S3), Vercel, Git, GitHub, Docker, CI/CD, Replicate API

Tools & Monitoring: Sentry, Winston Logger, PostHog, Express Rate Limiting