DHRUP KUMAR SINHA

Full-Stack Developer | DevOps Engineer

✉ **dksinha0701@gmail.com**

🔗 **Portfolio: https://x-dev.site** | 🔗 **GitHub: https://github.com/luciferdk**

PROFESSIONAL SUMMARY

Full-Stack Developer with hands-on experience in building scalable, high-performance, user-focused web applications. Skilled in designing responsive UIs, developing robust backend systems, implementing secure authentication flows, and deploying production-grade cloud infrastructure. Adept at optimizing databases, integrating caching layers, and architecting real-time communication systems. Proven ability to deliver complete end-to-end solutions as a solo contributor while following clean code and best engineering practices.

EDUCATION

Master of Computer Application (MCA) — Brainware University, Barasat, West Bengal **|** *2024 – Present*

Bachelor of Computer Application (BCA) — Brainware University, Kolkata **|** *2021 – 2024* **|** CGPA: 8.29/10

Higher Secondary (12th) — 63.40% **|** Inter College BabaGram, Giridih

Secondary (10th) — 56.40% **|** Utkramit High School, Deor

PROJECTS

1. Connect — Real-Time Chat Application (Solo Developer)

Dec 2024 – Nov 2025

A full-stack chat platform with secure authentication and real-time communication.
Highlights:

- Built real-time peer-to-peer messaging using Socket.io + WebSockets.
- Scaled to 200+ concurrent users with optimized API performance.
- Implemented secure JWT(JSON Web Token) + Cookie-based Authentication, OTP based login, and session handling.
- Key features:
  - Online/offline user presence
  - Text, image, audio, video, emoji, and document sharing (≤100MB)
  - Profile updates (name, image, bio)
  - Contact nickname editing
  - Logout & account deletion
- Integrated Cloudinary Direct Upload for media.
- Improved system performance using Redis caching.
- Deployed using Railway (Backend) and Vercel (Frontend).

Tech: Next.js, TypeScript, Node.js, Express.js, PostgreSQL, Redis, Cloudinary, Tailwind CSS
🔗 Code: https://github.com/luciferdk/connect.git
🔗 Live: https://connect.x-dev.site

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2. Upload — Mobile Cloud Storage App (Solo Developer)

Sept 2025 – Oct 2025

- Developed a lightweight Android app for secure cloud file storage.
- Handled 5k–10k requests efficiently using Firebase.
- Designed a clean UI with fast file uploads using Java + XML.
- Ensured instant cross-device access with optimized Firebase configuration.

Tech: Java, XML, Firebase
🔗 Code: https://github.com/luciferdk/UploadFile

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3. Global Health Trend — Analytics & Forecasting Platform (Lead Developer)

Oct 2025 – Ongoing

- Built a scalable health-data analytics platform covering global datasets from 2000 to 2024.

- Architected backend pipelines capable of theoretical scaling up to 10M+ RPS.

- Built modular systems for ingestion, storage, and real-time visualizations.

- Developed an interactive dashboard with country-wise analytics and trend forecasting.

- Containerized microservices using Docker and automated deployments using CI pipelines.

Tech: Python, TypeScript, Express.js, React.js, Tailwind CSS, Docker, redis, postgrace
🔗 Frontend: https://github.com/luciferdk/dataAnalystproject_MCA
🔗 Backend: https://github.com/luciferdk/dataAnalystbackend

TECHNICAL SKILLS

Frontend

Next.js, React.js, TypeScript, JavaScript, Tailwind CSS, Vite

Backend

Node.js, Express.js, Prisma ORM, REST APIs, WebSockets, Socket.io, Hono

Database

PostgreSQL, MongoDB, Redis, Oracle SQL

DevOps & Cloud

Docker, Railway, Vercel, Nginx, Cloudinary, Cloudflare

Tools & Other Skills

Git, GitHub, Postman, JWT Authentication, Cookie-Based Sessions, Linux (Ubuntu), CI Pipelines

Mobile Development

Java (Android), XML, Firebase

LANGUAGES

- English (Intermediate)

- Hindi (Native)

- Bengali (Beginner)

CERTIFICATIONS

- Full-Stack Web Development — 100XDevs

- Data Science — IBM