UJJWAL DOBLIYAL

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EDUCATION

B.Tech.(CS), Graphic Era Hill University   **June 2022 - June 2026**
CGPA: 7.8

SKILLS

Languages	C++, Javascript, Java, Python, HTML, CSS, SQL (MySQL), NoSQL (MongoDB)
Frontend	React.js, Next.js, Tailwind CSS
Backend	Node.js, Express.js, MongoDB
Tools	Git, Github, Postman
CS Fundamentals	Object-Oriented Programming, Data Structures and Algorithms, Operating System, DBMS

PROJECTS

Streamify   Link

- Built a full-stack chat app with **real-time messaging**, typing indicators, reactions, and **group/1-on-1 video calls**.
- Implemented **JWT authentication**, **protected routes**, and **global state management** with Zustand + TanStack Query.
- Optimized for scalability with error handling (frontend & backend) and 32 custom UI themes.
- Built using React, Express, MongoDB, Tailwind CSS, TanStack Query, Zustand, and integrated Stream API, with deployment-ready architecture.

DevSphere   Link

- Developed a **Browser-based IDE** with support for 10 programming languages, smart output states, and real-time collaboration.
- Integrated Clerk for auth, Stripe for subscriptions, and Convex for data logic, with features like code sharing, history tracking, and VSCode-like themes.
- Built using Next.js 15, TypeScript, Tailwind CSS, Shadcn UI, and deployed on Vercel.

Expense Tracker   Link

- Built a React-based expense tracker supporting **CRUD** operations to manage and monitor expenses.
- Implemented Redux for state management, ensuring consistent data flow across components.
- Designed a responsive UI with multiple screens for adding, editing, and viewing expenses.
- Built using React and Tailwind CSS with a responsive, user-friendly interface.

CERTIFICATIONS & SIMULATIONS

Walmart Job Simulation   *Software Engineering (Java)*

- Developed a custom heap **data structure** to optimize shipping operations, showcasing strong **algorithmic** and **problem-solving skills**.
- Designed a **UML class diagram** for a data processor with multiple operating modes and database connectivity.
- Created an **ER diagram** to model a database for Walmart's pet department, ensuring all requirements were met.