CHETAN GUPTA

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Education

Bachelor of Technology (Computer Science and Engineering)   June 2020 – June 2024 (Expected)
Bikaner Technical University | CGPA: 8.2

Skills

Java | JavaScript and TypeScript | ExpressJS | ReactJS | MongoDB | Docker | Kubernetes | AWS | Git and GitHub
Familiar with : C++ | Python | Terraform | MySQL | Firebase | Solidity

Work Experience

Chegg | Managed Network Expert   June 2023 - Present
- Responded to diverse academic questions from students across various subjects**.**
- Provided accurate and comprehensive answers to promote students' understanding.
- Utilized subject matter expertise in Software Engineering to assist students effectively.

Projects

Web3 based PayPal Clone   13 August- Present
github.com/chetanguptaa/paypal-clone

- Implemented **smart contracts** for secure transactions and user management using **solidity**.
- Realized direct **peer-to-peer cryptocurrency** transfers.
- Addressed gas fee optimization and network congestion challenges.

Google DOCS Clone   04 July - Present
github.com/chetanguptaa/google-docs-clone

- Developed a Google Docs clone utilizing the **MERN** (MongoDB, Express.js, React.js, Node.js) stack.
- Implemented **Yjs** for **Conflict-free Replicated Data Types (CRDT)**, enabling real-time collaboration among multiple users with automatic conflict resolution.
- Implemented user authentication features (login/signup) using secure practices like **hashed passwords** and **JWT (JSON Web Tokens).**
- Integrated a link sharing feature, allowing users to share documents securely with others, enhancing collaboration and document accessibility.

Course Selling Website   06 June - Present
github.com/chetanguptaa/course-era

- Developed a Course Selling Website utilizing the **MERN** stack.
- Validated requests using middleware to ensure data integrity.
- Implemented **routes**, **database connection**, and **logger** for efficient API handling.
- Implemented user authentication and authorization, enabling secure user registration, and login functionality.
- Utilized **Git and GitHub** for version control.

NodeJS Application Using Docker and Kubernetes cluster   23 March - Present
github.com/chetanguptaa/task-manager

- Created a system used to handle Database, and server orchestration using **docker, docker-compose**.
- Containerized the **image** with **Docker** and created a **Docker image.**
- Deployed the application to a **Kubernetes** cluster locally and managed it using Kubernetes **deployment** and **service** objects.

Technical Achievements

- Top 3% of Coders on **Leetcode**.