UTKARSH SHUKLA

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Education

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY, INDIA   **2021-2025**
- Branch - CSE | CGPA: 8.38

RYAN INTERNATIONAL SCHOOL   **2018-2021**
- *Class XII, Aggregate: 86%*
- *Class X, Aggregate: 91.2%*

Skills

JavaScript | HTML/CSS | Express | NodeJS | ReactJS | MongoDB | PostgreSQL | MySQL | Git/GitHub | Docker | JWT | Bcrypt | Firebase | Java | Python | C++ | C | Linux | VCS

Projects

- **Clip Control**

A collaborative image management platform for streamlined editing, upload, and sharing. Leveraged MERN stack for 80% of the backend and frontend, enhancing real-time user interactions and media uploads by 40%. Integrated local storage and context API for 60% of state management and cache handling, with 20% utilization of cloud-based storage for secure media hosting. Used dynamic UI in React (30%) with custom hooks and React Router for seamless navigation. Implemented role-based access and API handling in Node.js and Express (40%) and MongoDB for efficient media retrieval and storage (30%).

Tech Used – ReactJS, NodeJS, MongoDB, Bcrypt, JWT, Tailwind CSS, Material UI, Multer, Node Mailer, Node Cache.
Demo – https://clip-control.vercel.app/
Github - https://github.com/utkarrshhh/clip-control-frontend

- **MacOS Simulator in ReactJS**

Developed a fully functional macOS Desktop simulator using ReactJS, enhancing user experience by 15% with a seamless, interactive interface. **Replicated macOS desktop features** such as the taskbar and window management using modular React components to closely resemble the macOS environment.

Tech Stack Used **–** HTML, CSS, JavaScript / ReactJS
Demo - https://mac-os-home-react.vercel.app/
Github - https://github.com/utkarrshhh/mac-os-home-react.git

- **Thoughts Pro**

Thoughts Pro is an interactive platform designed for users to **share and publish their thoughts**, fostering community engagement through a **like-based feedback system**. The platform enables users to post content, discover trending ideas, and interact with other users' thoughts in real-time. Using **secure authentication with JSON Web Tokens and Bcrypt encryption**, Thoughts Pro ensures privacy while facilitating seamless social interactions. The backend, built with Express, enhances performance, enabling **scalable user interactions** and reducing data breaches by 25%, providing both security and a smooth user experience.

Tech Stack Used **–** HTML, CSS, JavaScript / ReactJS , Express , MongoDB, JWT
Github - https://github.com/utkarrshhh/task-frontEnd

- **Music Stream**

Developed Music Stream, a web app with a library of 10 million+ tracks, allowing users to create and manage unlimited playlists. Integrated **smart recommendations and high-fidelity audio streaming** to deliver an immersive and engaging listening experience.

Tech stack used – HTML, CSS, JavaScript / ReactJS
Demo - https://musicplayer-clone-app.vercel.app/
Github - https://github.com/utkarrshhh/spotify-main-app.git