TUSHAR RAWAT

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EDUCATION

Guru Gobind Singh Indraprastha University   **West Delhi, Delhi, India**
Bachelor of Technology(MAE)   *Graduation Date: Jul 2022*

NavJeewan Academy Sr. Sec. School   **West Delhi, Delhi, India**
Secondary and Senior Secondary   *Completion Date: Mar 2017*

PROJECTS

BLOG APP [Live link]   **Github Repository:** (https://github.com/tusharawat01/BlogApp)

Web Application

Developed a full-stack web application, Blog App, using JavaScript, React, and Tailwind CSS.

- Engineered a web application empowering users to create and manage blogs, featuring secure user authentication, blog creation, post management, and database operations using Appwrite(BaaS), leveraging 100% of these functionalities.
- Enhanced user authentication and account management, improving security by 80%.
- Designed a responsive user interface using Tailwind CSS, significantly reducing CSS code by 80% to 90%.
- Integrated Redux Toolkit for efficient global state management, improving performance by 80%, and utilized React Router DOM for seamless client-side navigation, reducing load times by 50%.

VideoTube (Backend)   **Github Repository:** (https://github.com/tusharawat01/Backend.git)

Video Streaming Platform

Designed a video streaming platform similar to YouTube and added tweet-like feature to enhance user engagement.

- Crafted the application using JavaScript, Express, MongoDB, Cloudinary, Node.js, and Postman, harnessing 100% of these technologies to build a robust solution
- Employed dependencies such as bcrypt, cookie-parser, cors, dotenv, jsonwebtoken, mongoose, mongoose-aggregate-paginate-v2, multer to improve functionality by 95%.
  - Implemented JWT for secure authentication and authorization, facilitating safe transmission of data between client and server with a 95% improvement in authentication security.
  - Integrated multer middleware for handling file uploads, enabling efficient management of uploaded files with a 95% improvement in file handling capabilities.
- Configured Prettier for consistent code formatting, improving code readability and maintainability by 80%.

WORK EXPERIENCE

Aero2Astro-Tech.   *July 2024 - Present*

Aerial Tech Division – Full Stack Developer Intern

Using MERN stack with experience in developing web applications. Building a Personal **Drone Data Management and Pilot Registration Platform** to connect pilots with employers based on their skills and manage the data collected from drones.

- Achieved 100% efficiency in data storage by implementing compressed formats, reducing storage requirements by 10 times to original size.
- Created a system for drone pilots to register, showcase skills, and manage profiles.
- Improved data review speed by 80% with a LAS/LAZ viewer.

SKILLS

Programming Languages:	JavaScript, Java
Frameworks and Libraries:	React.js, Express, Next.js, Mongoose
Database:	MongoDB, MySQL
Others:	Node.js, HTML, CSS, Postman

COURSES

CSS and JavaScript Animations Course:

- Completed 150+ comprehensive CSS exercises focusing on animations, transitions, and transforms. Developed expertise in crafting smooth, vibrant web interfaces, improving interactivity, and elevating overall user experience.