



TUSHAR RAWAT

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EDUCATION

Guru Gobind Singh Indraprastha University
Bachelor of Technology(MAE)

West Delhi, Delhi, India
Graduation Date: Jul 2022

NavJeewan Academy Sr. Sec. School
Secondary and Senior Secondary

West Delhi, Delhi, India
Completion Date: Mar 2017

WORK EXPERIENCE

Aero2Astro-Tech.

July 2024 - Present

Aerial Tech Division – Full Stack Developer Intern

Developing a **Drone Data Management** and **Pilot Registration Platform** using the MERN stack to connect pilots with employers based on skills and manage drone-collected data.

- Achieved 100% efficiency in data storage by implementing compressed formats, reducing storage requirements by 10 times.
- Created a system for drone pilots to register, showcase skills, and manage profiles, serving over 1500 users.
- Improved data review speed by 80% with a LAS/LAZ viewer, enhancing productivity for team members.
- Used Docker to manage dependencies without installing additional packages on the system, streamlining the development process for 4 different projects.

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%.

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, and elevating overall user experience.