

DAY 6 WITH ADMIN DASHBOARD

(KINDLY DO CHECK THE VIDEO WHICH I HAVE MADE ON DAY 6)

FINAL DEPLOYEMENT LINK

<https://hackathon-03-avion-tcp1.vercel.app/>

REPO LINK

<https://github.com/abdulqadeerprofile/Hackathon-03-Avion>

My Deployment Journey (Day 1 - Day 6)

Over the past six days, I worked step by step to set up, test, and deploy my project successfully. Each day had specific tasks that helped me build a fully functional and well-optimized application. Here's what I did each day:

Day 1: Understanding the Project & Planning

On the first day, I focused on understanding the project requirements and planning my approach. I explored the technologies I would use, like Next.js and React, and made a rough plan for development. I also set up a GitHub repository to track my work and ensure proper version control.

Day 2: Setting Up the Project & Code Structure

The second day was all about setting up the project. I installed necessary dependencies, configured settings like ESLint and Prettier for clean code, and structured my project properly. I made sure my folders and files were organized for easy navigation. Additionally, I set up GitHub workflows to manage code updates efficiently.

Day 3: Backend & API Integration

On the third day, I worked on the backend. I connected the app to external services like Sanity CMS and third-party APIs. I also handled authentication and access control to secure user data. Using Postman, I tested API endpoints to make sure everything was working correctly. To keep sensitive information safe, I used environment variables and stored them securely.

Day 4: Frontend Development & UI Improvements

The fourth day was focused on frontend development. I built core UI components like product listings, cart, checkout, and user profiles. I also worked on making the design responsive so it looks good on all devices. To improve performance, I optimized the UI by reducing unnecessary re-renders and implementing lazy loading.

Day 5: Testing & Bug Fixing

Testing was the main focus of Day 5. I performed functional testing to make sure all features, like adding products to the cart and processing payments, worked properly. I also ran performance tests using Lighthouse and GTmetrix to check the app's speed and responsiveness. Security testing was another important task—I validated inputs, secured API keys, and ensured HTTPS was enabled. All test results were documented in a CSV file, recording both successful and failed cases.

Day 6: Deployment & Staging Environment Setup

On the final day, I prepared the project for deployment. I set up a staging environment using Vercel/Netlify and linked my GitHub repository for automatic updates. I securely added environment variables and tested the deployment to confirm everything worked fine. After deployment, I conducted final tests for functionality, performance, and security. Lastly, I organized all project files, test reports, and documentation in a structured GitHub repository and created a README.md file to explain everything clearly.

Final Outcome

At the end of this process, I successfully deployed a working staging version of my project. Everything is now well-tested, optimized, and ready for production. This journey helped me understand deployment strategies, testing methods, and best practices for managing a real-world project.