HACKATHON
DAY-6

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Deployment Preparation and Staging Environment Setup

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Deployment of Project on Vercel and Github

"I have successfully deployed my project on Vercel, a platform known for its seamless and efficient deployment process. The project is now live and accessible via the following link: [**https://shopcostore.vercel.app//**]. and Github [**https://github.com/creativesar/shopcostore**].

During the deployment process, I followed these steps:

Project Setup: Ensured my project was ready for deployment by verifying all files, dependencies, and configurations were correctly set up.
Connecting to Vercel: Linked my GitHub repository to Vercel for automated deployment.
Environment Configuration: Configured any necessary environment variables in the Vercel dashboard to ensure the application functions properly.
Deployment: Deployed the project through Vercel's intuitive interface, allowing it to build and host my application.
Testing the Live Version: Verified the deployed project to ensure all features, designs, and functionalities are working as intended.
This deployment demonstrates my ability to prepare a project for production and host it on a reliable platform like Vercel. The live link allows easy access to the project for review, testing, or public use

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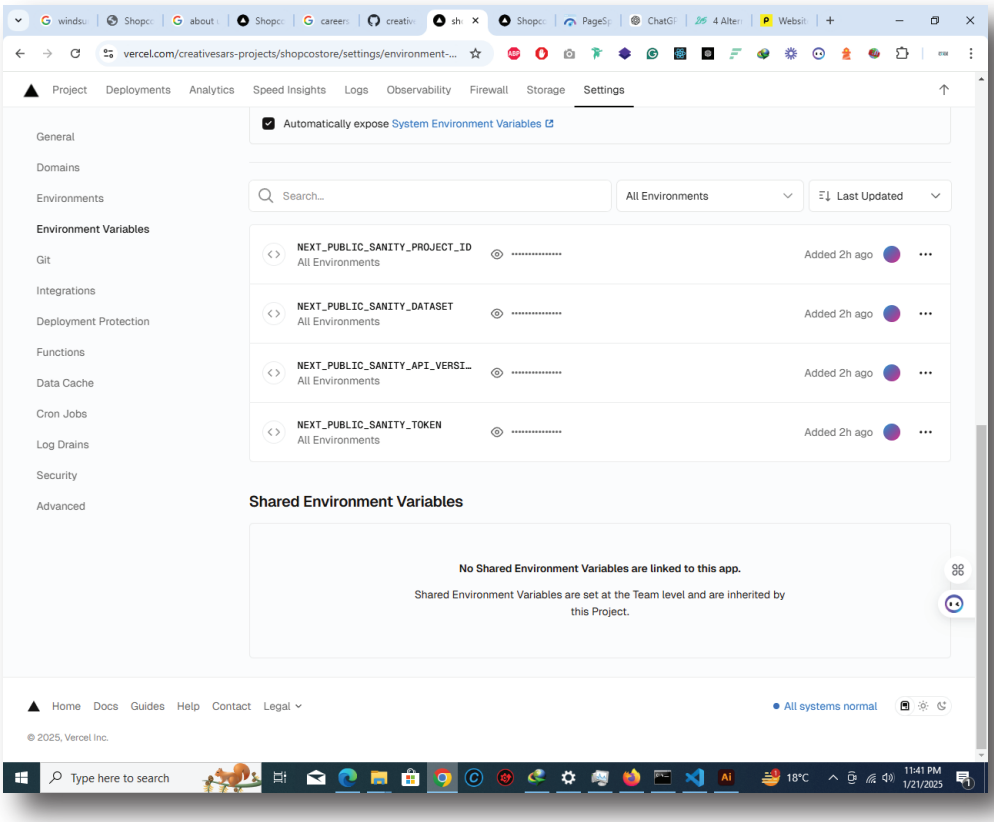
Configuration of Environment Variables on Vercel

I have successfully created and configured the .env environment variables on Vercel. All sensitive data such as API keys, project IDs, and database URLs have been securely added through Vercel's dashboard under the Environment Variables section. This ensures secure access to the required data during deployment. Please find the attached image for reference



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Staging Environment Testing Completion Report

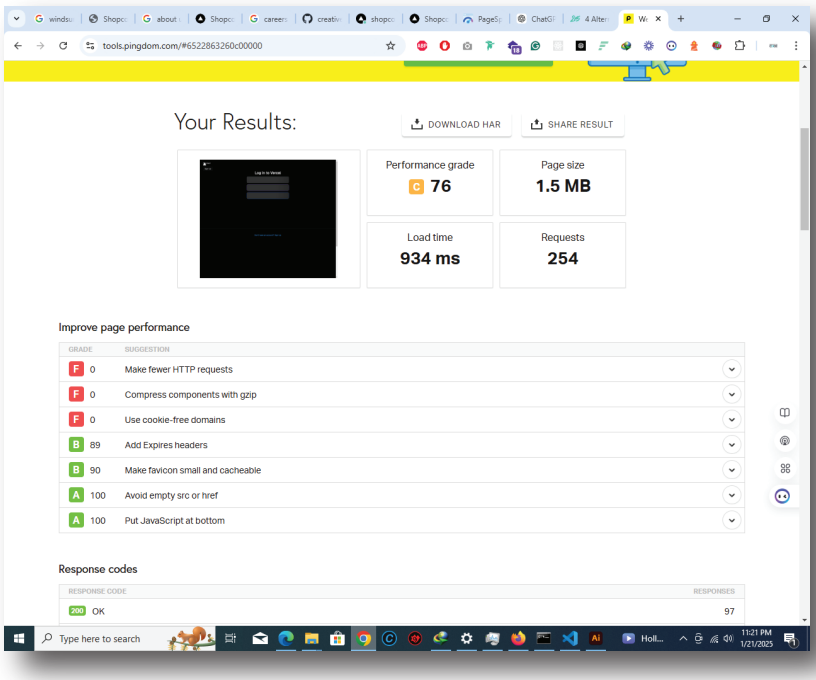
I have completed the Staging Environment Testing to ensure the application is production-ready. Here's a summary:

1. Testing Performed:

   Functional Testing: Verified workflows like product listing, cart, and checkout using Cypress and Postman.
   Performance Testing: Analyzed speed and load times using Lighthouse and GTmetrix.
   Security Testing: Checked for SQL injection, XSS, ensured HTTPS and secure API communication.
   Responsiveness Testing: Tested layout across devices using browser tools.

2. Test Results:

   Documented test cases in a CSV format with ID, description, steps, expected/actual results, and status.
   Detailed results with images are included in the report.



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