SUNSTONE

Portfolio Website
Task - 5

Portfolio Website

This project aims to create a digital display of your work, like an online exhibition. It lets visitors explore your projects, get in touch using a contact form, and stay updated through a blog. It's your creative space on the web, presenting your skills and experiences.

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Hosting

Hosting is essential for making your website accessible on the internet, influencing its speed and reliability. A secure hosting service protects against cyber threats, and scalability accommodates growth in traffic and data. The right hosting contributes to a positive online presence, user experience, and overall website performance.

1. **Online Presence:** Hosting enables your website to be accessible on the internet, allowing users worldwide to visit and interact with your content.
2. **Performance and Speed:** The hosting infrastructure significantly influences the speed and overall performance of your website, affecting user experience and search engine rankings.
3. **Reliability and Uptime:** A reliable hosting service ensures that your website is consistently available to users, minimizing downtime and potential disruptions.
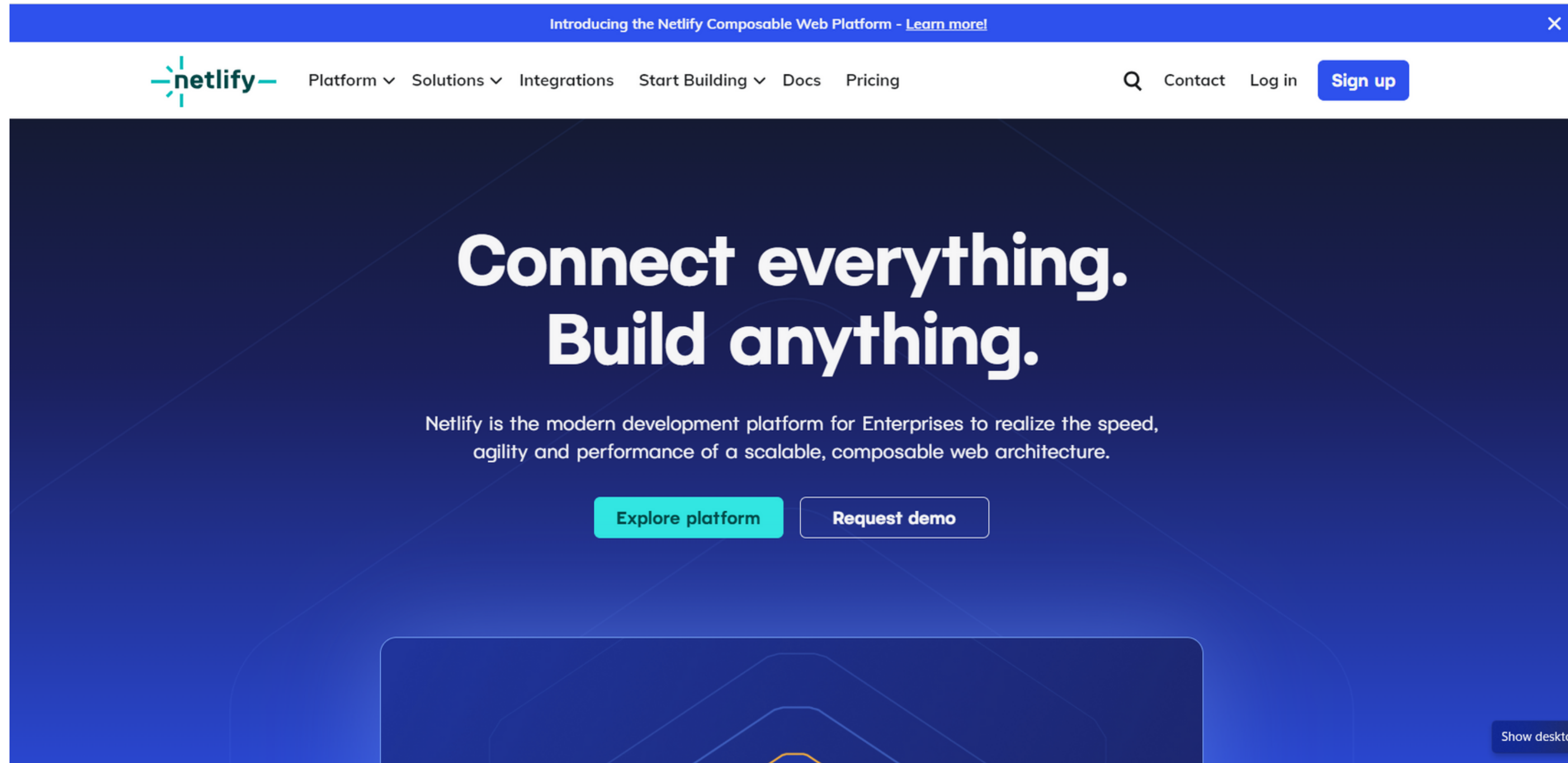
The website is hosted using the NETLIFY hosting platform.

NETLIFY

- Netlify is a popular platform that simplifies the hosting and deployment of websites and web applications. It stands out for its integration with modern development workflows, offering features like continuous integration and continuous deployment (CI/CD). Developers can connect their code repositories (such as GitHub) to Netlify, allowing automatic deployments whenever changes are pushed.

- One notable aspect of Netlify is its support for serverless functions, enabling the creation of dynamic and scalable applications without the need for managing servers. Additionally, Netlify provides a global content delivery network (CDN), ensuring fast loading times for users worldwide by serving content from servers located strategically around the globe.

Netlify Hosting Website

Evaluation Metric:

1. **Uptime Percentage:** Assess the hosting provider's uptime guarantee, aiming for a high percentage (e.g., 99.9%) to ensure consistent website availability.
2. **Page Load Speed:** Evaluate the speed at which your web pages load, using tools like Google PageSpeed Insights, to ensure optimal user experience and SEO performance.
3. **Security Measures**: Examine the hosting service's security features, including SSL/TLS certificates, firewalls, and DDoS protection, to safeguard your website and user data.
4. **Scalability Options**: Check the hosting provider's ability to scale resources to accommodate increased traffic and data, ensuring the website can handle growth without performance issues.

Learning Outcome:

- Recognize the importance of hosting for website accessibility, reliability, and security.
- Evaluate key hosting metrics such as uptime, page load speed, and security features when choosing a hosting service.
- Implement optimization strategies for performance, including considerations like content delivery networks (CDNs) and server locations, while prioritizing security measures against cyber threats.

Stepwise Description

1. Choose a Hosting Provider:
   - Research and select a hosting provider based on your website's needs, considering factors like reliability, performance, and customer support.
2. Register a Domain Name:
   - Choose and register a domain name that aligns with your brand and reflects the purpose of your website.
3. Select a Hosting Plan:
   - Choose an appropriate hosting plan that meets your storage, bandwidth, and scalability requirements.
4. Upload Website Files:
   - Transfer your website files to the hosting server using FTP or the hosting provider's file management system.

Summary

Select a reliable hosting provider, register a domain name, and choose a suitable hosting plan. Upload your website files, implement security measures, and optimize performance for a successful website hosting experience. Stay informed, monitor regularly, and scale resources as needed.

Links

Hosted Website

https://portfoliohkjeny.netlify.app/t

Website Demo Video

https://drive.google.com/file/d/1_BP2QJN44Zca8iWzGUBdb1ObwlKau6-i/view?usp=drive_link

GitHub

https://github.com/Mohana-priya-j/Portfolio_Website