

Naif Portfolio | Final Web Application

SWE 363 - Assignment 4

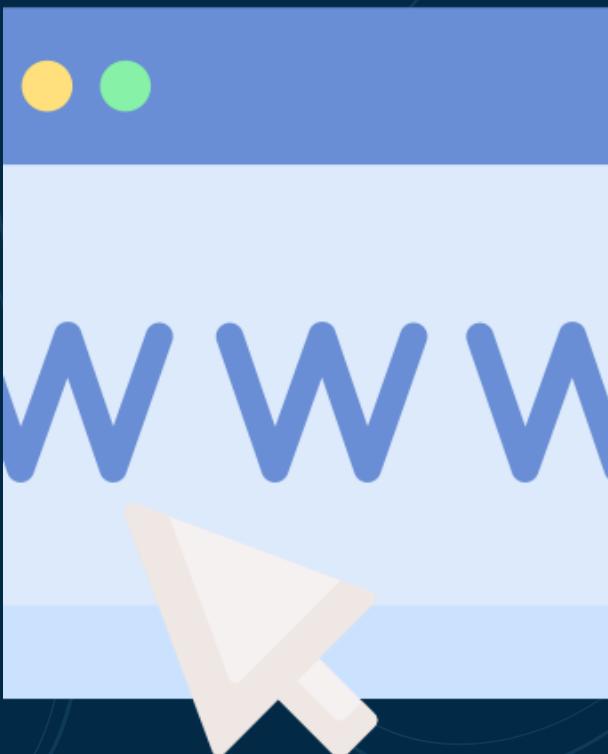
Final interactive portfolio
combining all assignments

Responsive, API-integrated, and
professional

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Features Overview



- Dynamic greeting (time-based)
- Dark/Light mode with LocalStorage
- Live project search + filtering
 - Contact form validation
- GitHub API integration
- Smooth CSS animations

Technical Implementation

- HTML5 + CSS3 + Vanilla JS (ES6)
- GitHub API for live data
- LocalStorage for theme persistence
- Deployed via GitHub Pages
- Live:
<https://neefcs.github.io/assignment-4/>



AI Integration

Tools: ChatGPT (GPT-5), GitHub Copilot

AI helped with fetch logic, debugging, documentation

I rewrote and tested all features to ensure full understanding



Demo Highlights



- About section
- Projects gallery + live search
- GitHub repos auto-load
- Contact form feedback
- Responsive design

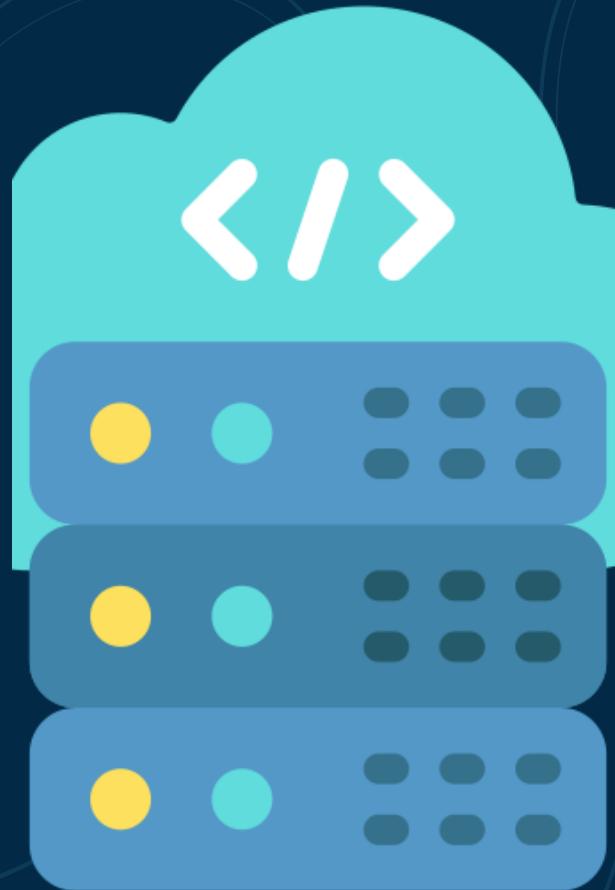
Challenges & Solutions

- API errors → Added fallback messages
- Theme bugs → Stored mode in LocalStorage
- Styling issues → Unified CSS grid and transitions

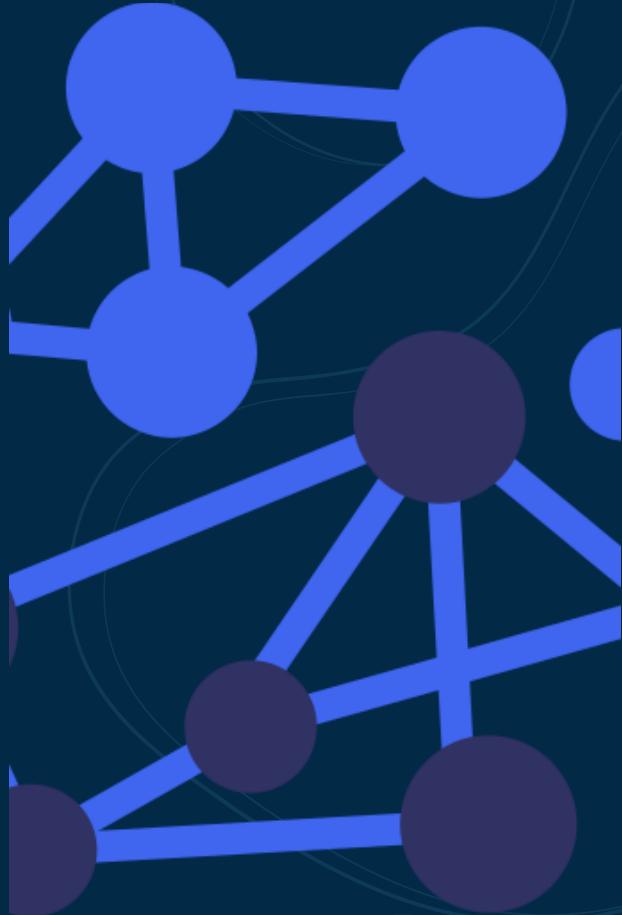


Future Improvements

- Add email API for contact form
- Animated theme switch
- Backend integration (Node/Firebase)
- More portfolio sections (skills, experience)



Conclusion



- Built complete responsive portfolio
- Applied responsible AI usage
 - Live demo:
<https://neefcs.github.io/assignment-4/>