

# Personal Portfolio

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# Project Objectives

## O1 Showcase Proficiency

Demonstrate mastery of modern frontend development (React, Hooks, Data Flow).

## O2 Advanced Interaction

Implement complex features (API integration, State Persistence, Filtering).

## O3 High Performance

Achieve top-tier Lighthouse scores (Performance, Accessibility).



# Core Achievement



O1

## Architecture

Single-Page Application  
(SPA) powered by  
React-18 and Vite

O2

## Aesthetic

Unified Glass-Morphism  
design.



# Core Technical Architecture



## Front-End

React 18 (Vite)



## Language

JavaScript (ES6+  
Modules)



## Styling

Modern CSS (Flex, Grid,  
backdrop-filter)



## Data

Fetch API, localStorage



# Features



## GitHub Repo

Fetch live repos from  
'ReemalQ'



## Logic

Supports Chained  
Filtering (Search,  
Language, Month)



## Trivia Card

Interactive quiz using  
using \*Useless Facts  
API\*



## Hero

Clock, Interactive  
greeting



## Quote Cards

Daily quote with  
refresh and error  
fallback.



## Favorites

Star/unstar Projects or  
Repos.



## Contact Form

Full validation flow.



## Projects

Projects cards.



# Challenges



01

Complex  
Filtering &  
Search

02

Performance  
Issues

03

Cards

# Innovation

Month Picker

Optimized  
Images

Animated  
Background

Cards





# Performance Improvement



**Before**

59 Score



**After**

92 - 97

Image compression  
Lazy loading  
Cleaner re-renders  
LCP/FCP fixes



# Learning Outcomes

API handling

Derived state

Hooks

Performance  
tuning

UX  
improvements

Responsible  
AI usage

# Thank You

