Personal Portfolio

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Objectives

Building a professional website that:

- Showcases projects

- Uses real Api's

- Is fully responsive

- Looks production ready

Motivation

Why I built This Portfolio?

- To create areal portfolio
- Practice real world Frontend development
- Learn Apl integration
- Apply AI responsibly
- Improve Ui skills

Technical Architecture

Frontend:

- HTML
- CSS
- Javascript

APIs

- OpenWether
- Quote API

Structure:

HTML➜ Structure

CSS ➜ Design

JS ➜ Logic

AI Integration

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AI Was Used:
- Debugging code
- UI improvements suggestions
- Documentation support
- Code explanations

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Deep Dive Challenges

API Failure:

- Added loading state
- Displayed error message
- Implemented retry button

Filter bugs

- Rewrote filtering conditions
- Fixed multiple filter conflicts
- Unified sorting logic

Login bugs

- Stored login state in browser
- Synced UI with state changes

Mobile Overflow

- Rebuilt layout using grid
- Added media queries
- Fixed width and overflow issues

Innovation

Using unique feature such as:

- Real-time session tracking

- Smart personalization
- Animated Filtering system
- Graceful API error handling

Lessons learned:

- Responsive design

- API integration

- Debugging

- GitHub Workflow

- AI Assisted engineering

Conclusion

Achievements:
- Live web app
- Real user interaction
- Portfolio ready
- Clean architecture

Future Plans:
- Backend login
- Database storage
- Admin panel
- More projects

Thank you