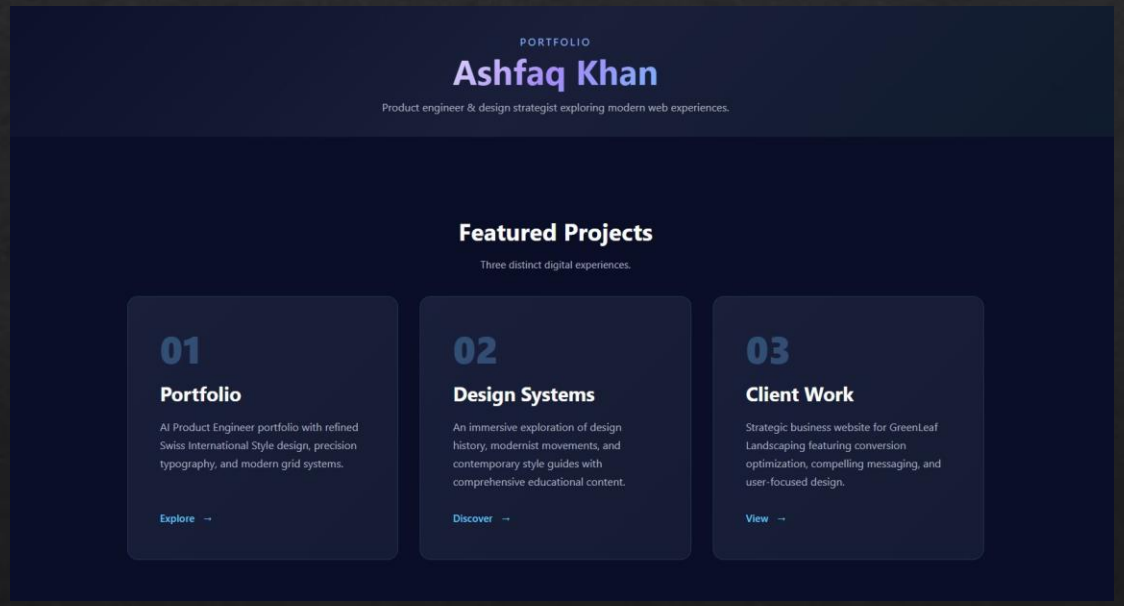
IS117 Final Project

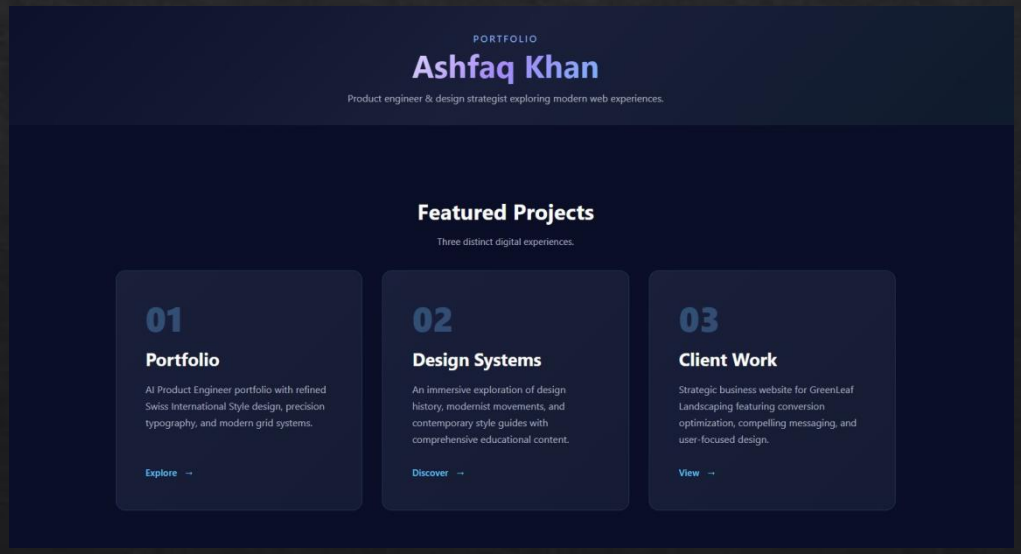


Ashfaq Khan

A multi-site portfolio demonstrating modern web design, accessibility, and AI-assisted development.

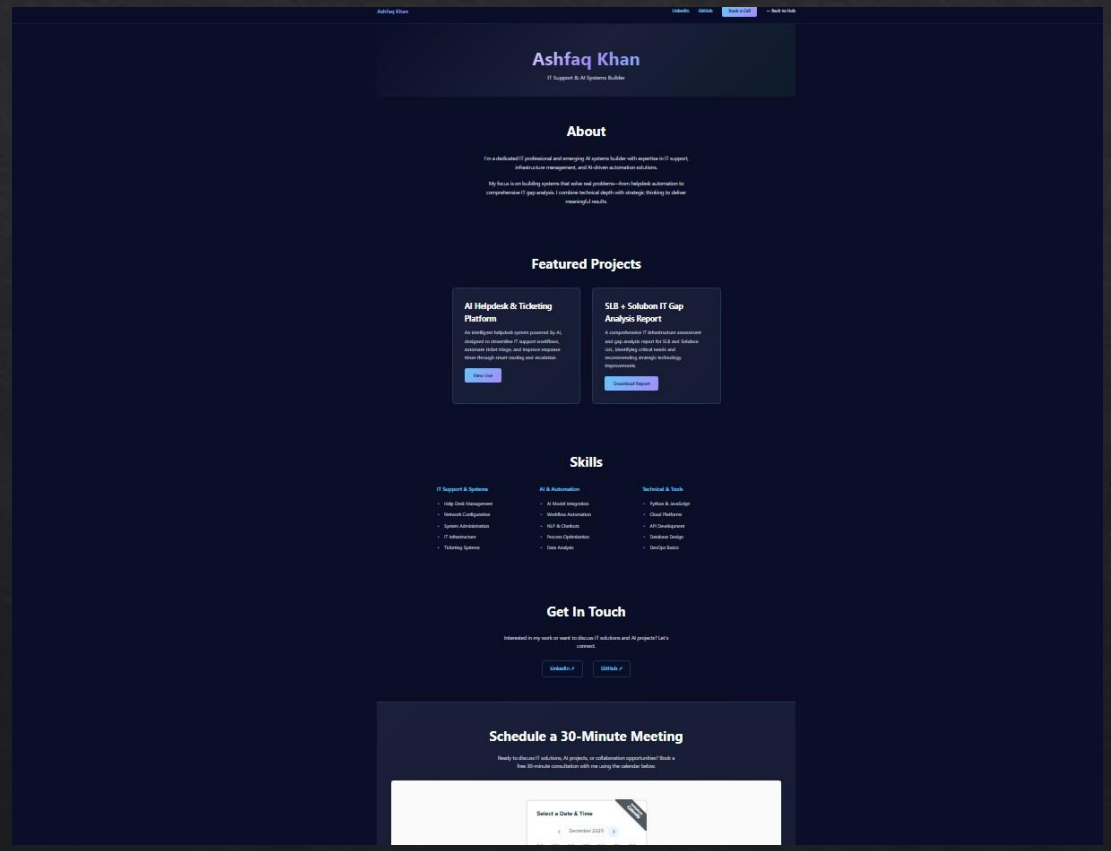
Project Overview

- **What I Built**
- A central **landing hub** connecting three production-ready websites
- A **personal portfolio** showcasing my work and skills
- A **design style site** exploring a modernist / Swiss-inspired system
- A **client website** for a fictional IT services company
- **Key Focus Areas**
- Clean UI/UX
- Accessibility (WCAG)
- SEO & performance
- Real-world structure and professionalism



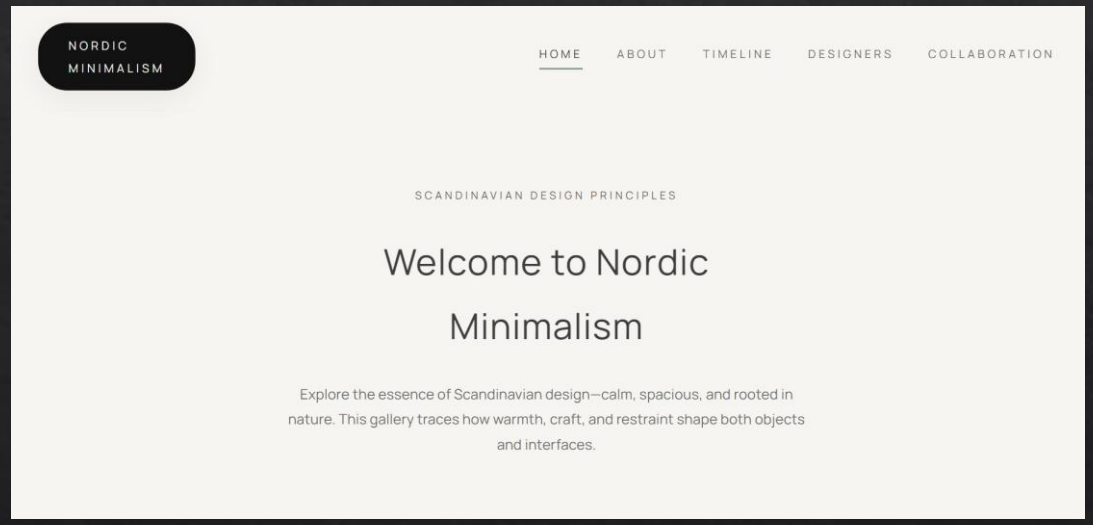
Personal Portfolio

- **Purpose:**
  - Position myself as an **IT Support & AI Systems Builder**
  - Present real projects, not placeholders
- **Key Features:**
  - Featured projects:
    - AI Helpdesk & Ticketing Platform
    - SLB + Solubon IT Gap Analysis
  - Direct links to:
    - GitHub
    - LinkedIn
  - Embedded **Calendly** for real consultations
- **Design Approach:**
  - Dark, modern aesthetic
  - Clear hierarchy and readability
  - Mobile-responsive layout



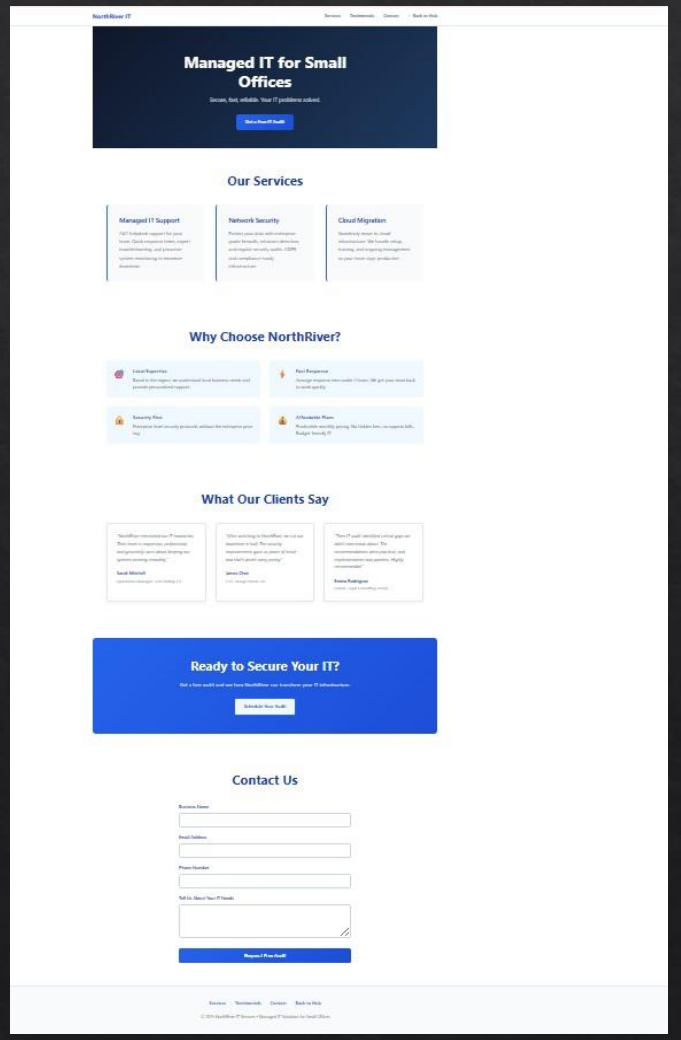
Design Style Site

- **Design Style:**
- Nordic Minimalism / Swiss inspired layout
- Emphasis on:
  - Typography
  - Spacing
  - Grid systems
  - Minimalism
- **Why This Style:**
- Focuses attention on content
- Communicates clarity, structure, and professionalism
- Common in high-quality product and technical design



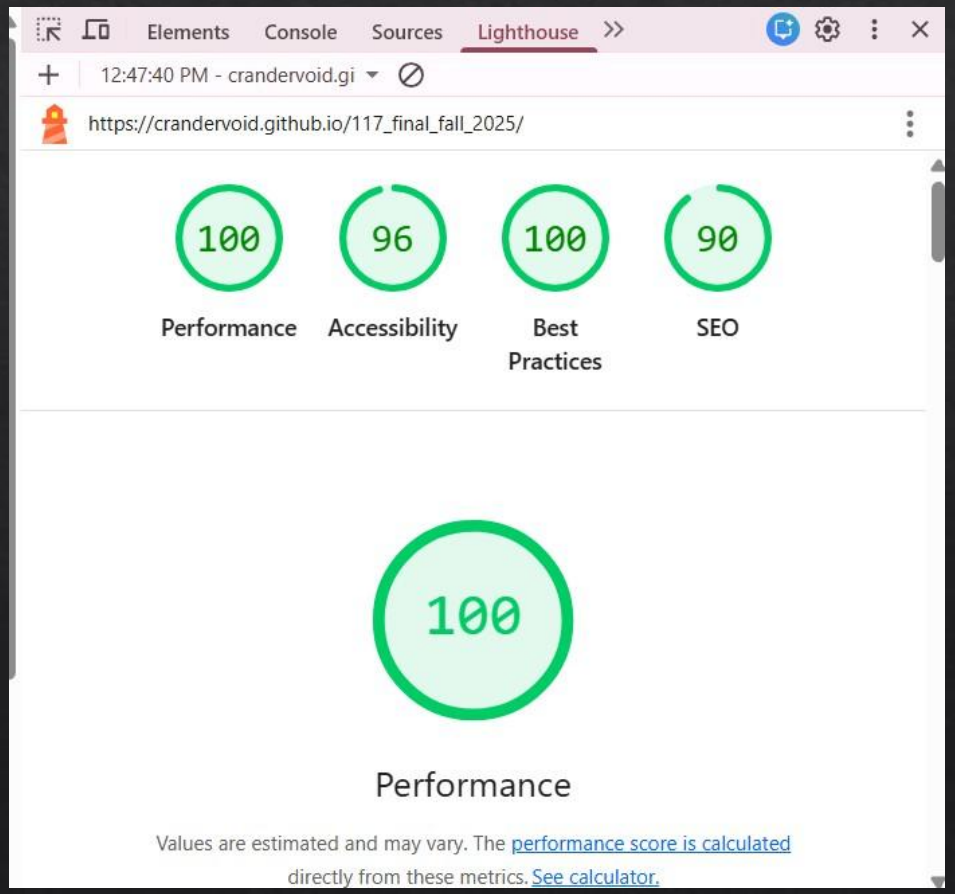
Client Website (NorthRiver IT)

- **Client:**
  NorthRiver IT (fictional)
- **Goal:**
- Create a realistic small-business IT services website
- **Key Elements:**
- Clear service offerings
- Trust indicators & testimonials
- Call-to-action + contact form
- Conversion-focused layout
- **Real-World Relevance**
- Mirrors actual MSP / IT consulting websites
- Designed to be usable by a real client



Technical Quality & Tooling

- **Standards Followed:**
- Semantic HTML5
- Responsive CSS
- Accessibility-first design
- **Quality Assurance:**
- HTMLHint & Stylelint
- Lighthouse CI:
  - Accessibility
  - SEO
  - Best Practices
  - Performance
- **Deployment;**
- Hosted via **GitHub Pages**
- Automated checks via CI workflow



AI Collaboration

- **How I Used AI:**
- GitHub Copilot and ChatGPT to:
  - Scaffold components
  - Debug linting and Lighthouse issues
  - Refine accessibility and SEO
  - Improve layout and content clarity
- **Prompting Strategy:**
- Gave **specific, constrained tasks**
- Limited scope to individual files
- Iterated based on tool feedback (lint, CI, Lighthouse)
- **What I Learned:**
- AI is most effective when used as a **pair programmer**
- Clear prompts and human review are essential
- AI accelerates development, but does not replace design judgment

Wrap-Up

- **Key Takeaways:**
- Building multiple connected sites reinforces real-world skills
- Accessibility and SEO matter from day one
- AI is a powerful development accelerator when used responsibly
- **Final Thought:**
  This project reflects how I would approach professional web work: structured, accessible, and production-ready.