

Project Report: Personal Portfolio Website

Personal Portfolio Website

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Date: July 17, 2025

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1. Introduction

This project is a Personal Portfolio Website developed by Ankit Patil to showcase web development skills, projects, experience, and contact information. The website is fully responsive and built with modern web technologies including HTML, CSS, JavaScript, and Node.js for backend functionality like contact form handling.

2. Objectives

- Display the developer's profile, skills, and projects
- Provide an interactive and responsive user experience
- Handle contact form submissions via a backend server
- Host a resume and links to social profiles
- Deploy the site using GitHub Pages or another hosting platform

3. Technologies Used

Frontend:

- HTML5
- CSS3 (with animations and transitions)
- JavaScript (DOM manipulation, scroll features)

Backend:

- Node.js
- Express.js (for routing and contact form submission handling)

Other Tools:

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- Git & GitHub
- Visual Studio Code
- GitHub Pages (for deployment)

4. Project Features

- Hero section with a welcome message and dynamic text
- Navigation bar with smooth scrolling
- Sections for About, Education, Projects, Internship, Resume, and Contact
- Contact form with validation and backend processing
- Social media icons linked to GitHub, LinkedIn, Twitter, and Instagram
- Fully responsive layout compatible with desktop and mobile

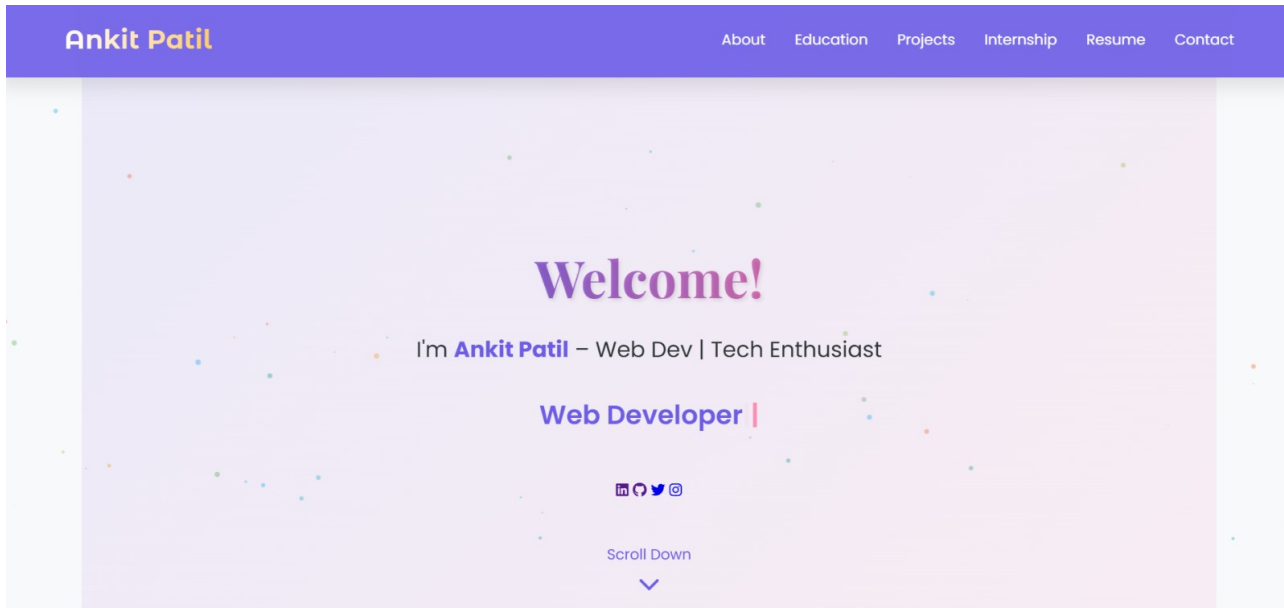
5. Project Structure

The project is organized as follows:

- index.html: Main landing page
- style.css: Styling and responsive design
- app.js: JavaScript interactions
- server.js: Node.js Express server handling contact form
- public/: Contains static assets like images and stylesheets
- views/: Contains HTML templates (if any)
- routes/: Backend routing configuration (optional)

6. Screenshot

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7. Backend Implementation

The backend uses Node.js and Express.js to serve pages and process form data securely. The contact form posts data to an endpoint (e.g., /contact), which could be logged or sent via email integration. This ensures secure data handling and protects sensitive information like email addresses.

8. Deployment

The site is deployed using GitHub Pages, enabling easy and free access to the portfolio. The GitHub repository URL is:

<https://github.com/AP8113/personal-portfolio>

9. Conclusion

This personal portfolio project demonstrates proficiency in full-stack web development, with an elegant front-end interface and a functional backend. It reflects a professional online presence and showcases Ankit Patil's abilities in web development and design.