**SDLC for Personal Portfolio Website**

**1. Planning**

* Define objective: showcase skills, projects, resume, contact info
* Choose stack: HTML, CSS, JS
* Set timeline and hosting option (GitHub Pages/Netlify)

**2. Analysis**

* Identify website sections: About, Skills, Projects, Resume, Contact
* Understand target users: recruiters, peers
* Research other portfolio designs

**3. Design**

* Create wireframes
* Pick color scheme, fonts, layout (responsive design)
* Organize page structure (header, nav, sections)

**4. Implementation**

* Code using HTML, style with CSS
* Add JavaScript for interactivity (e.g., smooth scrolling, form validation)
* Use VS Code with Live Server for real-time preview

**5. Testing**

* Test responsiveness on desktop, tablet, mobile
* Validate HTML/CSS, fix layout bugs
* Check link integrity, load speed, and browser compatibility

**6. Deployment**

* Push code to GitHub
* Deploy via GitHub Pages or Netlify
* Test the live URL

**7. Maintenance**

* Update portfolio as new skills/projects are added
* Fix any bugs or broken links
* Optimize performance and SEO regularly