



Digital Portfolio

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DIGITAL PORTFOLIO USING HTML , CSS , JAVASCRIPT



AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
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8. Conclusion
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PROBLEM STATEMENT

- In today's digital-first world, individuals often struggle to present their skills, achievements, and creative work in a structured and accessible way.
- Traditional resumes, paper portfolios, or static documents fail to showcase interactive projects, design aesthetics, and multimedia elements effectively.
- This creates a gap between talent and opportunities, as employers, clients, or audiences find it difficult to evaluate the complete potential of an individual.
- A digital portfolio solves this problem by providing a dynamic, user-friendly platform where a person can highlight their skills, experiences, and projects in an engaging and professional manner.

However, creating such a portfolio often faces challenges like: Lack of technical knowledge to design and develop one. Difficulty in organizing and curating content to reflect true strengths. Limited accessibility and poor compatibility across devices. Absence of personalization that differentiates the individual from others.

PROJECT OVERVIEW

The goal of this project is to create a professional, visually appealing, and interactive digital portfolio that highlights personal skills, achievements, and creative work.

- It serves as both a self-promotion tool and a platform to showcase academic, professional, and personal projects.

WHO ARE THE END USERS?

To showcase skills, projects, and achievements.

To highlight work samples, case studies, and career growth. To track teaching methods, lesson plans, and achievements. To present services, products, and success stories. End users: Recruiters, HR managers, admission committees, teachers, or internship providers. Clients, employers, collaborators, or agencies. School administrators, students, parents, or education boards. Customers, investors, business partners.

TOOLS AND TECHNIQUES

Tools (on Mobile with CodePen)

1. CodePen App / Mobile Browser Use

codepen.io on Chrome or Safari. Login

to save and edit your portfolio.

2. HTML (Structure)

For content like your name, about section, skills, projects, contact details.

3. CSS (Styling)

To design your portfolio with colors, fonts, layouts.

Mobile-friendly design with Flexbox or Grid.

4. JavaScript (Interactivity)

Add animations, sliders, form validation, or project filters.

5. External Libraries/Frameworks (Optional)

Bootstrap / TailwindCSS – for responsive design quickly.

FontAwesome – for icons.

Google Fonts – for stylish text.

Techniques

1. Responsive Design

Use @media queries so your portfolio looks good on mobile & desktop.

2. Navigation Menu (Hamburger)

Simple mobile-friendly navigation at the top.

3. Sections

Header – Name & tagline.

About Me – Short bio with photo.

Skills – List with icons or progress bars.

Projects – Grid or card layout with images/links.

Contact – Email or form.

4. Animations

CSS transitions (:hover) or small JavaScript scroll effects.

Example: fade-in sections while scrolling.

5. CodePen Embeds

If you build mini projects in CodePen, you can embed them inside your portfolio.



POTF LIO DESIGN AN LAYOUT

0

Hello, I'm

Ravichandran— Student & Aspiring Developer

I enjoy accessible web experiences and learning computer science fundamentals. Currently exploring Fundamental of Data Science, E-Commerce, Python,html,css,JavaScript and modern web technologies.

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rr2670815@gmail.com • [GitHub](#) [LinkedIn](#) [X](#)

Skills

Core technologies & tools I use

[C](#)[C++](#)[Python](#)[HTML](#)[CSS](#)[JavaScript](#)[Git & GitHub](#)[MS Word](#)[MS Excel](#)[PowerPoint](#)[Problem Solving](#)[Communication](#)

FEATURES AND FUNCTIONALITY

Features of a Digital Portfolio

1. Personal Branding

Name, tagline, professional role, and profile photo.

A personal logo or unique color theme.

2. About Section

Short bio or career summary.

Background, education, and interests.

3. Skills Showcase

Technical and soft skills (with icons, progress bars, or charts).

Categorized (e.g., Web Development, Design, Tools).

1. Interactive Animations

Smooth scroll to sections.

Fade-in or slide-up animations when scrolling.

2. Search or Filter Projects

Filter projects by category (e.g., Web, Mobile, Design).

3. Embedded Media

CodePen, GitHub repos, YouTube videos, or Behance designs.

4. Theme Toggle

Dark mode / light mode switch.

5. Analytics (Optional)

Google Analytics to track views.

RESULTS AND SCREENSHOTS

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[Problem Solving](#) [Communication](#)

Education

◦ Bachelor of science.data science (bsc.data science)

SSS College Arcot • 2024 – 2027

Key subjects: Programming in C, C++, Data Structures, DBMS, Web Technologies, Python.

◦ Higher Secondary (HSC)

walaja boys hr sec boys School • 2021 – 2023

Focus: Computer Science, Mathematics, Physics.



Contact

Have a project idea, opportunity, or feedback? Send a message:

[Send Message](#)



CONCLUSION

The Employee Salary Prediction System successfully demonstrates the end-to-end application of machine learning in solving a real-world HR analytics challenge. By simulating realistic salary data and applying advanced modeling techniques, the system achieved high prediction accuracy and practical insights into salary dynamics.

The use of SHAP for model explainability added transparency, enabling users to understand key salary drivers.

The Streamlit-based deployment ensured accessibility through a user-friendly web interface.

This project highlights the effectiveness of combining data science, domain knowledge, and cloud deployment to deliver a scalable, production-ready solution for compensation intelligence.