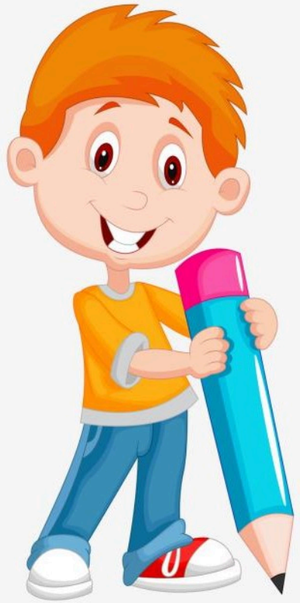
Digital Portfolio

STUDENT NAME: Deepak.T
REGISTER NO AND NMID: 2413216180252102 5
DEPARTMENT: B.SC., COMPUTER SCIENCE
COLLEGE: GOVERNMENT ARTS AND SCIENCE COLLEGE THIRUVENNAINALLUR/ANNAMALAI

BLURRY LOADING

AGENDA

1.Problem Statement
2.Project Overview
3.End Users
4.Tools and Technologies
5.Portfolio design and Layout
6.Features and Functionality
7.Results and Screenshots
8.Conclusion
9.Github Link



PROBLEMSTATEMENT

Problem Statement:
Web pages often contain high-resolution images that take time to load, especially on slower internet connections. During this loading period, users see blank spaces or loading spinners, which can lead to a poor user experience and higher bounce rates. There is a need for a technique that provides users with a visually appealing preview while the full-resolution content loads, reducing perceived wait times and improving overall e

PROJECT OVERVIE W

Project Overview:

The "Blurry Loading" project focuses on enhancing user experience during web page load times. Instead of displaying empty spaces or spinners while high-resolution images load, this technique shows a low-resolution, blurred version of the image as a placeholder. As the full-resolution image loads in the background, the blurred version gradually sharpens or is replaced, creating a smooth, visually appealing transition. This approach improves perceived performance, keeps users engaged, and provides a modern, responsive web experience.

WHO ARE THE END USERS?

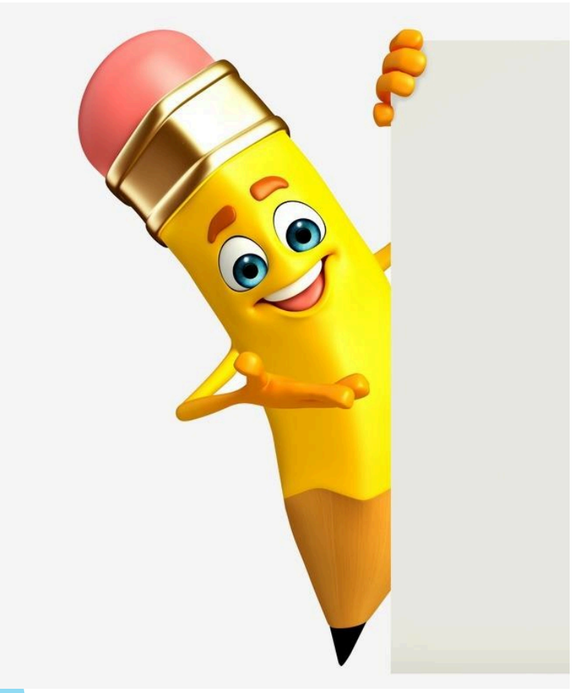
End Users:

The end users are anyone who interacts with web pages or web applications containing high-resolution images or media. This includes:

General website visitors: Users browsing websites with images, galleries, or content-heavy pages.

E-commerce shoppers: Users who expect fast-loading product images while shopping online

TOOLS AND TECHNIQUES



Tools

1. HTML & CSS – For structuring the page and styling images and placeholders.

Techniques

1. Low-Quality Image Placeholder (LQIP) – Load a small, blurred version of an image first, then replace it with the high-resolution image

POTFOLIO DESIGN AND LAYOUT

Portfolio Design Principles

1. Clean and Minimalist: Avoid clutter; let your work stand out.

2. Consistent Theme: Use consistent colors, fonts, and styling throughout

Layout

1. Header:

Name, profession/title, and navigation links (About, Projects, Contact).

FEATURES AND FUNCTIONALITY

Features

1. Low-Resolution Placeholder:

Displays a small, blurry version of the image while the high-resolution version loads.

Functionality

1. Preload Placeholder:

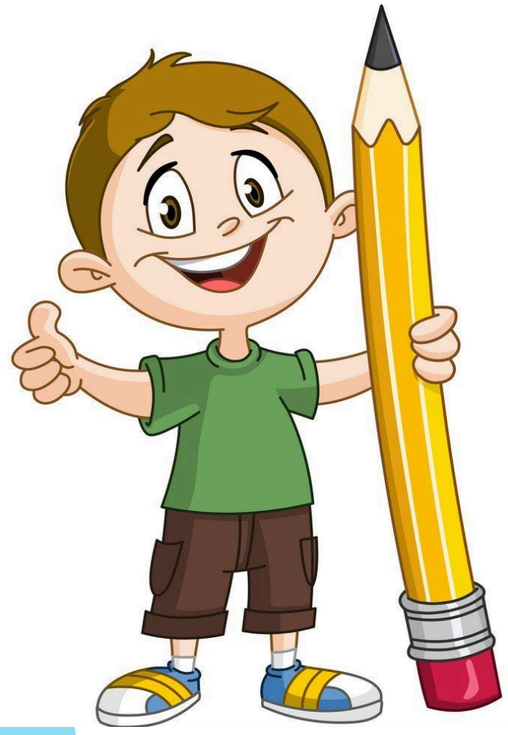
Load a low-quality blurred image immediately to reduce perceived wait time.

RESULTS AND SCREENSHOTS

•Results

•1. Improved Perceived Loading Speed:

•Users see a blurred preview immediately instead of waiting for the full image to load, reducing perceived wait time.



Screenshots

1. Initial Page Load:

Shows images as low-resolution, blurred placeholders.

CONCLUSION

Conclusion

The “Blurry Loading” technique effectively enhances the user experience by reducing perceived loading times for image-heavy web pages. By initially displaying low-resolution, blurred versions of images and gradually replacing them with high-resolution versions, users experience a smoother, visually appealing transition.