

# Mini Project Report

## QR Code Generator

Name: Srikar Shetty

Branch: B.Tech - CSE

College: DRK College of Engineering and Technology

### 1. Introduction

This project is a web-based QR Code Generator developed using HTML, CSS, and JavaScript. It allows users to generate and download QR codes for text or URLs, all in a simple and responsive interface.

### 2. Objective

- Build a QR Code Generator with user input and download option
- Use only HTML, CSS, and JavaScript
- Deploy online using GitHub Pages

### 3. Technologies Used

HTML5 - Page structure

CSS3 - Styling and layout

JavaScript - QR generation logic

QR API - QR image source

GitHub - Hosting via GitHub Pages

### 4. Features

- Input field for text/URL
- Generate and view QR code live
- Download button for saving QR
- Fully responsive layout
- Clean UI

# Mini Project Report

## 5. How it Works

User inputs a URL or text. JavaScript creates a URL for the QR Code API. The resulting QR code image is shown instantly. A download link is created for saving the QR code.

## 6. Screenshots

## 7. GitHub Repository

<https://github.com/srikarshetty718/qr-code-generator>

## 8. Live Website

<https://srikarshetty718.github.io/qr-code-generator/>

## 9. Conclusion

This mini project demonstrates frontend development skills and JavaScript logic implementation. It is a complete and deployed application that adds strength to your portfolio.

## 10. Future Enhancements

- Add color and size customization
- Add QR scan feature
- Convert to Progressive Web App (PWA)