



Unique QR Code Generator

Rigved Sarougi

Overview

Objective: Introduce a user-friendly tool for generating unique QR codes.

Features:

- - Dynamic QR code generation.
- - Incorporation of a unique ID for each generated QR code.
- - Streamlit-powered web interface.

Technology Stack

- Streamlit: A Python library for building interactive web applications.
- QR Code Library: Used for generating QR codes programmatically.
- Python Imaging Library (PIL): Utilized for image processing tasks.

Problem Statement

- Challenge: Traditional QR code generators lack the ability to generate unique identifiers.
- Solution: The Unique QR Code Generator addresses this limitation by appending a unique ID to each generated QR code.

QR Code Generator

Enter data to encode in QR code

Generate QR Code

Demo

Walkthrough:

- - Input field for user to enter data.
- - Button to generate QR code.
- - Display of generated QR code with unique ID.
- - Presenter enters sample data and generates a QR code.

QR Code Generator

Enter data to encode in QR code

<https://qr-generator-rigvedsarougi.streamlit.app/>

Generate QR Code



Use Cases

Business Applications:

- - Inventory management.
- - Asset tracking.

Personal Use:

- - Contact sharing.
- - Personal branding.

Future Enhancements & Conclusion

Potential Features:

- - Customizable QR code designs.
- - Integration with databases for enhanced data management.

Key Takeaways:

- - Simplifies QR code generation with unique identifiers.
- - Enhances tracking and management capabilities.