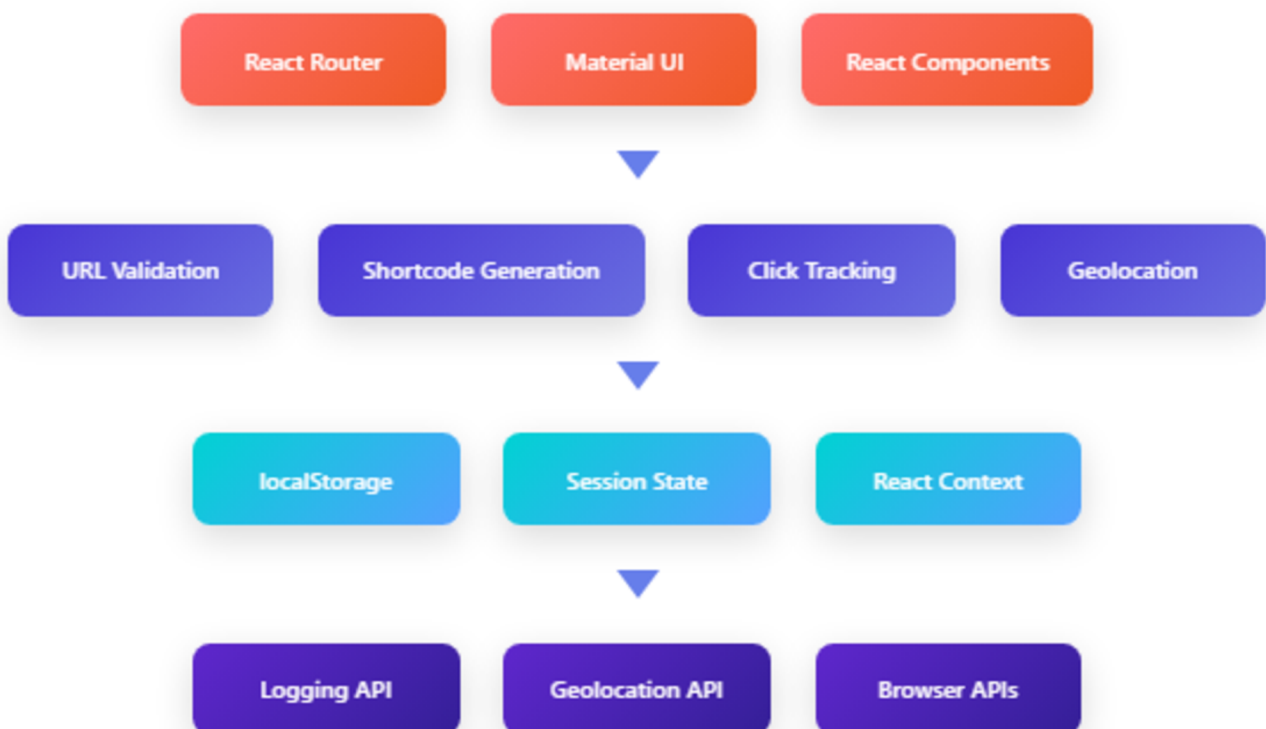


This URL shortener is a fully client-side React app designed for simplicity, speed, and a smooth user experience. It uses React functional components with hooks, Material UI for clean, responsive design, and React Router for seamless navigation. All data is stored locally using `localStorage`, meaning no backend or server is needed. Click tracking and shortcode generation are handled entirely in the browser, with optional geolocation and logging. The codebase is modular, separating concerns between UI, logic, and storage for easier maintenance. Validation and error handling are built-in to catch issues early and inform users clearly. Security is considered with input sanitization and HTTPS, though it's limited by the client-only nature. The app is ideal for single-user, demo-scale use but built with future upgrades in mind. Long-term plans include backend support, analytics dashboards, user logins, and custom domains.

System Architecture Overview



1

URL Shortener

Long URL

Validity (minutes)
30

Custom Shortcode (optional)

SHORTEN URL

VIEW ALL RESULTS

2

URL Shortener

Long URL
https://docs.google.com/forms/d/e/1FAIpQLSeIZ7n7P44TtZqFEZSt5t3dCsOoqmCNPIZK1UG_gljUy-2vAA/viewforr

Validity (minutes)
30

Custom Shortcode (optional)
form

SHORTEN URL

VIEW ALL RESULTS

3

URL Shortener

Long URL

Validity (minutes)
30

Custom Shortcode (optional)

SHORTEN URL

Most Recent Short URL:
http://localhost:3000/form
Expires: 7/29/2025, 2:22:30 PM

VIEW ALL RESULTS

4

All Shortened URLs

[BACK TO SHORTENER](#)

<http://localhost:3000/form>

Created: 7/29/2025, 1:52:30 PM

Expires: 7/29/2025, 2:22:30 PM

Total Clicks: 0

5

Affordmed Campus Evaluation | SVCET

mekrishna225@gmail.com [Switch account](#)

The name, email, and photo associated with your Google account will be recorded when you upload files and submit this form

* Indicates required question

Email *

☒ Record mekrishna225@gmail.com as the email to be included with my response

Name *

Gugula Anjani krishna

College Register Number/roll Number *

228FA37044

Mobile Number *

6303441492

Test Attempted *

Your progress has been restored