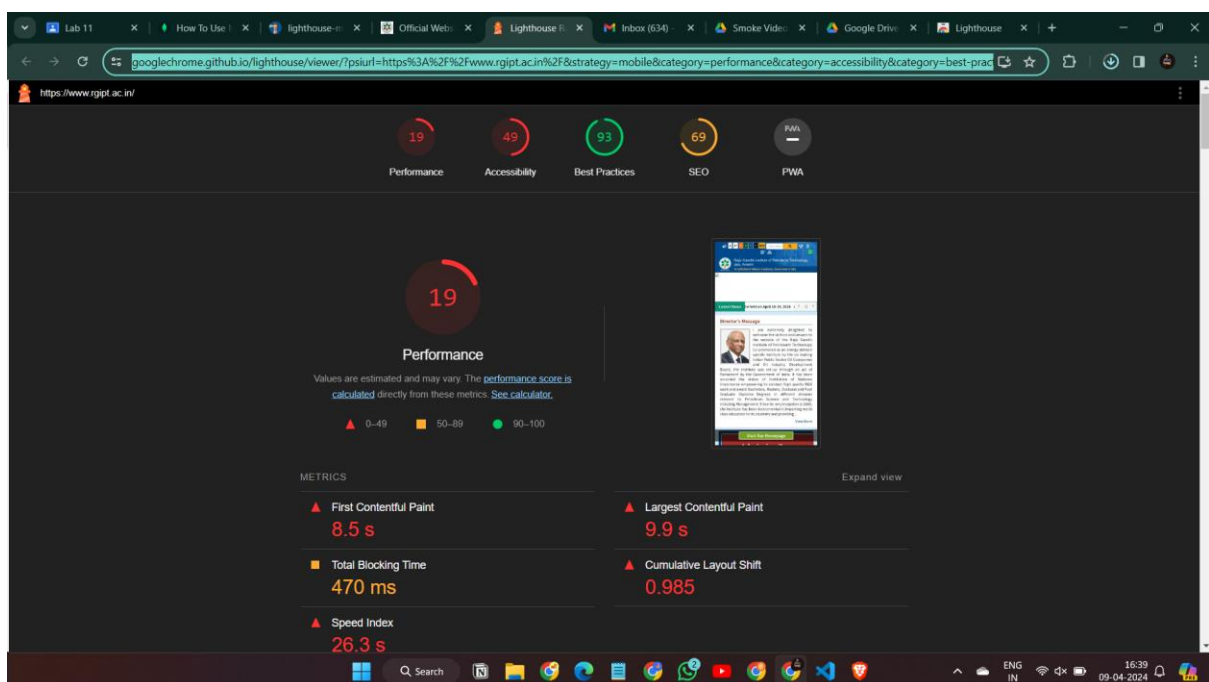# Lab-Assignment
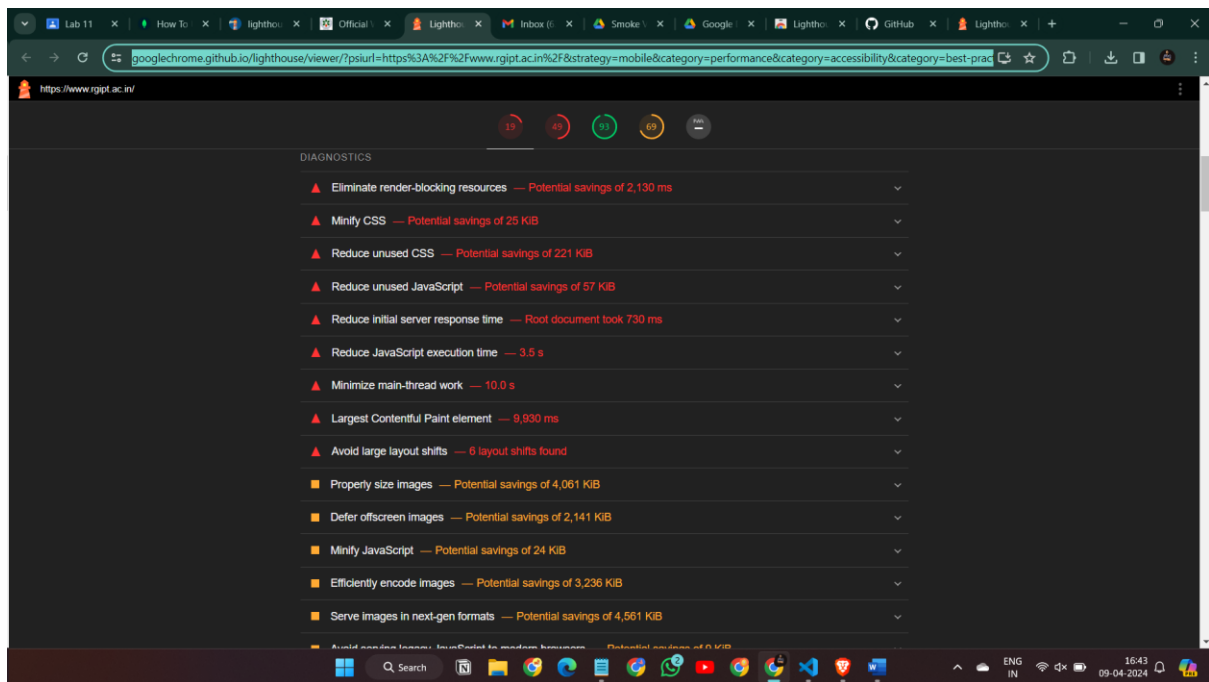
Name – Utkarsh Raj

Roll no. - 22cs2024

Q1-

Website-RGIPT
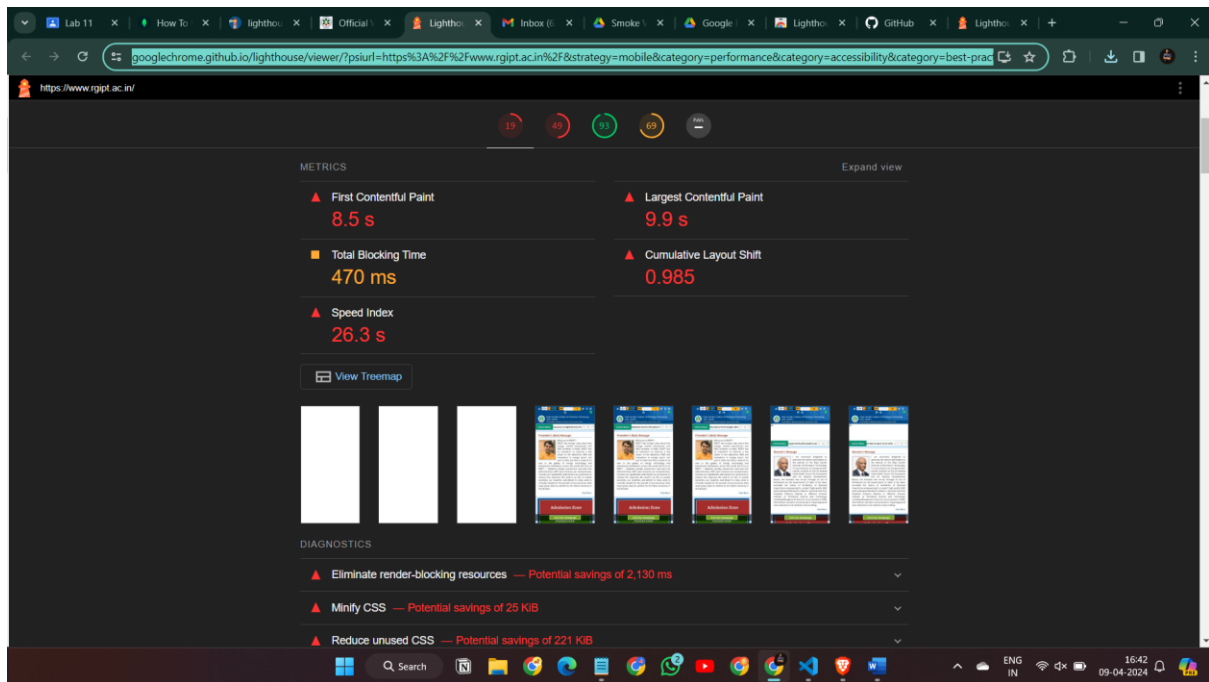
https://www.rgipt.ac.in/

METRICS   Expand view

▲ First Contentful Paint   ▲ Largest Contentful Paint
   8.5 s   9.9 s

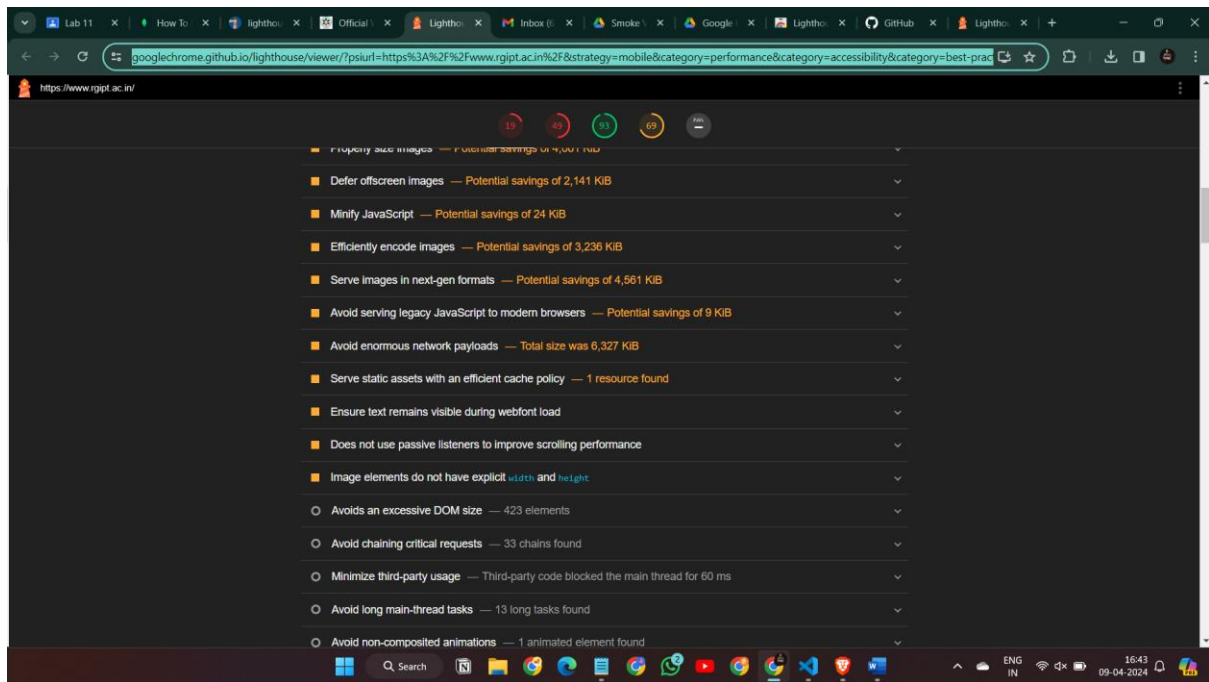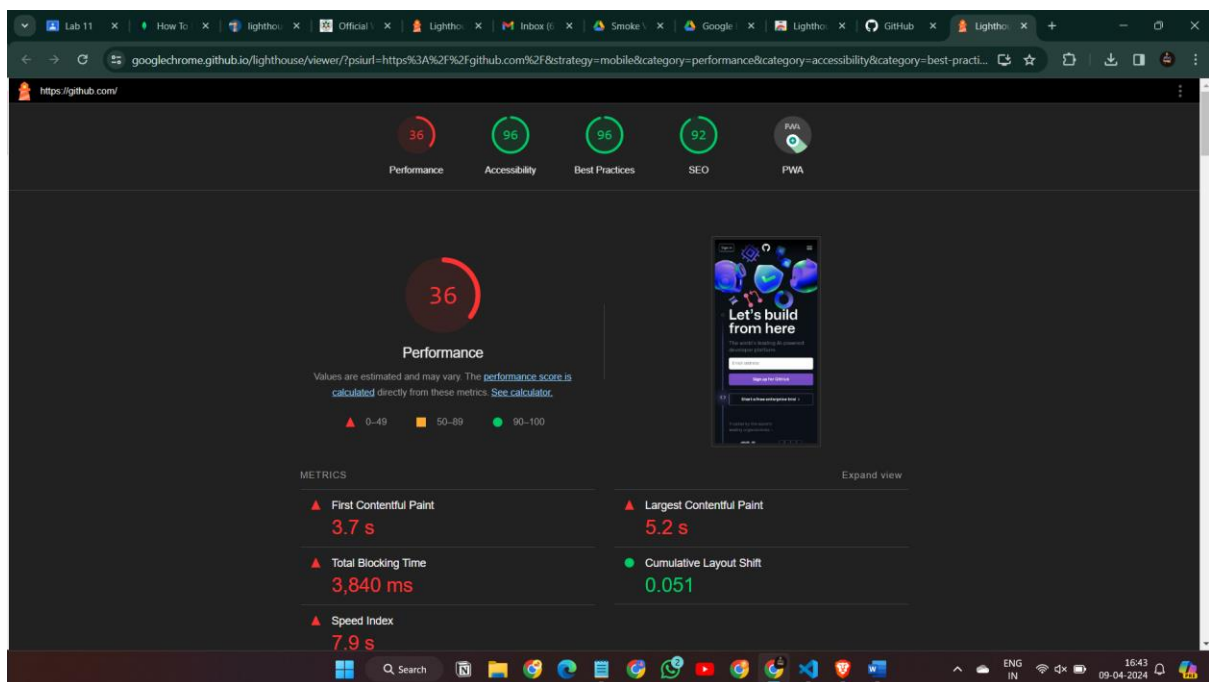■ Total Blocking Time   ▲ Cumulative Layout Shift
   470 ms   0.985

▲ Speed Index
   26.3 s

⊞ View Treemap

DIAGNOSTICS

▲ Eliminate render-blocking resources — Potential savings of 2,130 ms
▲ Minify CSS — Potential savings of 25 KiB
▲ Reduce unused CSS — Potential savings of 221 KiB

https://www.rgipt.ac.in/

DIAGNOSTICS

▲ Eliminate render-blocking resources — Potential savings of 2,130 ms
▲ Minify CSS — Potential savings of 25 KiB
▲ Reduce unused CSS — Potential savings of 221 KiB
▲ Reduce unused JavaScript — Potential savings of 57 KiB
▲ Reduce initial server response time — Root document took 730 ms
▲ Reduce JavaScript execution time — 3.5 s
▲ Minimize main-thread work — 10.0 s
▲ Largest Contentful Paint element — 9,930 ms
▲ Avoid large layout shifts — 6 layout shifts found
■ Properly size images — Potential savings of 4,061 KiB
■ Defer offscreen images — Potential savings of 2,141 KiB
■ Minify JavaScript — Potential savings of 24 KiB
■ Efficiently encode images — Potential savings of 3,236 KiB
■ Serve images in next-gen formats — Potential savings of 4,561 KiB
■ Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 KiB

Website – Github

DIAGNOSTICS

⚠ Defer offscreen images — Potential savings of 103 KiB

⚠ Reduce unused CSS — Potential savings of 113 KiB

⚠ Reduce initial server response time — Root document took 760 ms

⚠ Remove duplicate modules in JavaScript bundles — Potential savings of 74 KiB

⚠ Avoid an excessive DOM size — 1,116 elements

⚠ Reduce JavaScript execution time — 4.9 s

⚠ Minimize main-thread work — 10.5 s

⚠ Reduce the impact of third-party code — Third-party code blocked the main thread for 3,350 ms

⚠ Largest Contentful Paint element — 5,200 ms

⚠ Reduce the impact of third-party code — Third-party code blocked the main thread for 3,350 ms

⚠ Largest Contentful Paint element — 5,200 ms

■ Eliminate render-blocking resources — Potential savings of 0 ms

■ Properly size images — Potential savings of 423 KiB

■ Reduce unused JavaScript — Potential savings of 159 KiB

■ Serve images in next-gen formats — Potential savings of 262 KiB

■ Enable text compression — Potential savings of 2 KiB

■ Does not use passive listeners to improve scrolling performance

■ Image elements do not have explicit `width` and `height`

○ Avoids enormous network payloads — Total size was 1,887 KiB

○ Avoid chaining critical requests — 10 chains found

○ Avoid large layout shifts — 1 layout shift found

○ Avoid long main-thread tasks — 18 long tasks found

More information about the performance of your application. These numbers don't directly affect the Performance score.

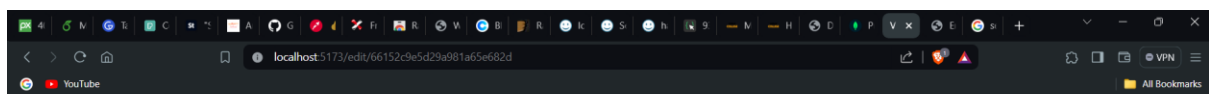PASSED AUDITS (17)   Show

Q-2

MongoDB.
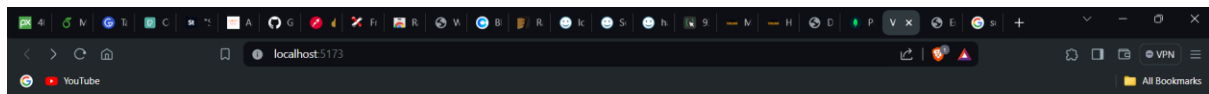
Create Employee

Employee Records

Name	Position	Level	Action
Marc	IDD student	Senior	Edit Delete