

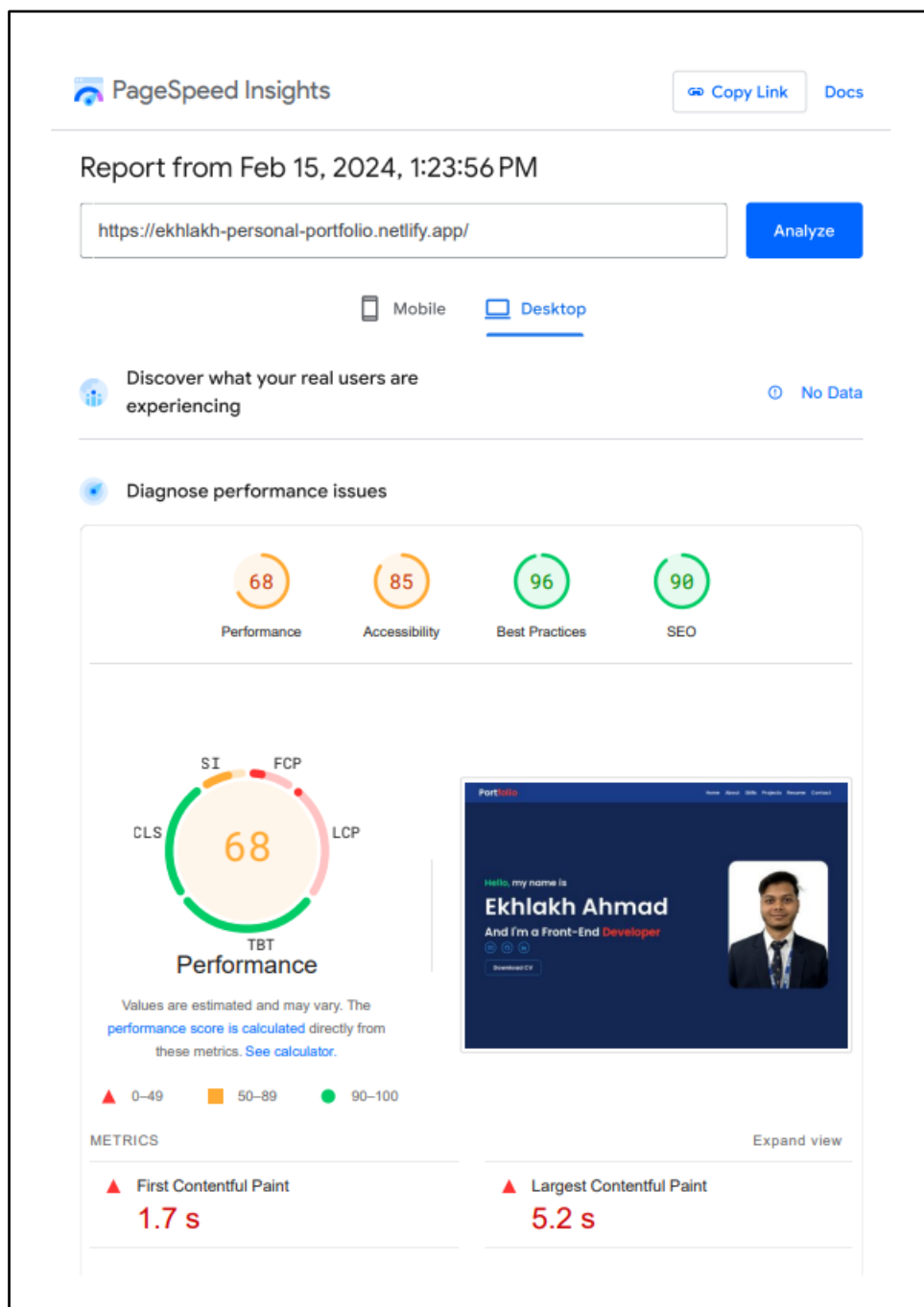
# CAP785: WEB PERFORMANCE OPTIMIZATION

## CONTINUOUS ASSESSMENTS (C.A)-1

ST\_NAME : - EKHLAKH AHMAD  
REG NO. : - 12209166  
ROLL NO. : - 65  
GROUP : - 2

## Page Speed Without Optimization

<https://ekhlakh-personal-portfolio.netlify.app/>



Speed Index

18s



Mobile



Desktop

PM GMT+5:30

Lighthouse.11.4.0



Initial page load



Custom throttling

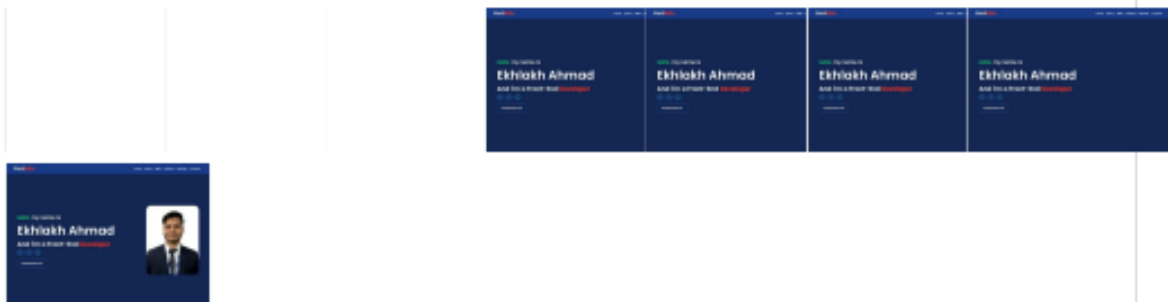


Using Headless Chromium

121.0.6167.85 with Ir



View Treemap



Show audits relevant to: [All](#) [FCP](#) [LCP](#) [TBT](#) [CLS](#)

DIAGNOSTICS

- ▲ Properly size images — Potential savings of 9,156 KiB
- ▲ Largest Contentful Paint element — 5,170 ms
- ▲ Serve images in next-gen formats — Potential savings of 4,263 KiB
- ▲ Eliminate render-blocking resources — Potential savings of 550 ms
- Ensure text remains visible during webfont load
- Image elements do not have explicit width and height
- Reduce unused CSS — Potential savings of 31 KiB
- Reduce unused JavaScript — Potential savings of 34 KiB
- Efficiently encode images — Potential savings of 890 KiB
- Avoid enormous network payloads — Total size was 9,742 KiB
- Initial server response time was short — Root document took 210 ms

# GTmetix Grade Without Optimization

Re-Test Compare Settings Monitor Alerts Tags

Test this page in 15 additional global locations

Upgrade Plan



## Latest Performance Report for: <https://ekhlakh-personal-portfolio.netlify.app/#home>

Report generated: Wed, Feb 14, 2024 11:53 PM -0800  
Test Server Location: Vancouver, Canada  
Using: Chrome 117.0.0.0, Lighthouse 11.0.0

### GTmetix Grade

	Performance	Structure
	86%	73%

### Web Vitals

LCP	TBT	CLS
2.6s	0ms	0.01

### Summary

#### Speed Visualization



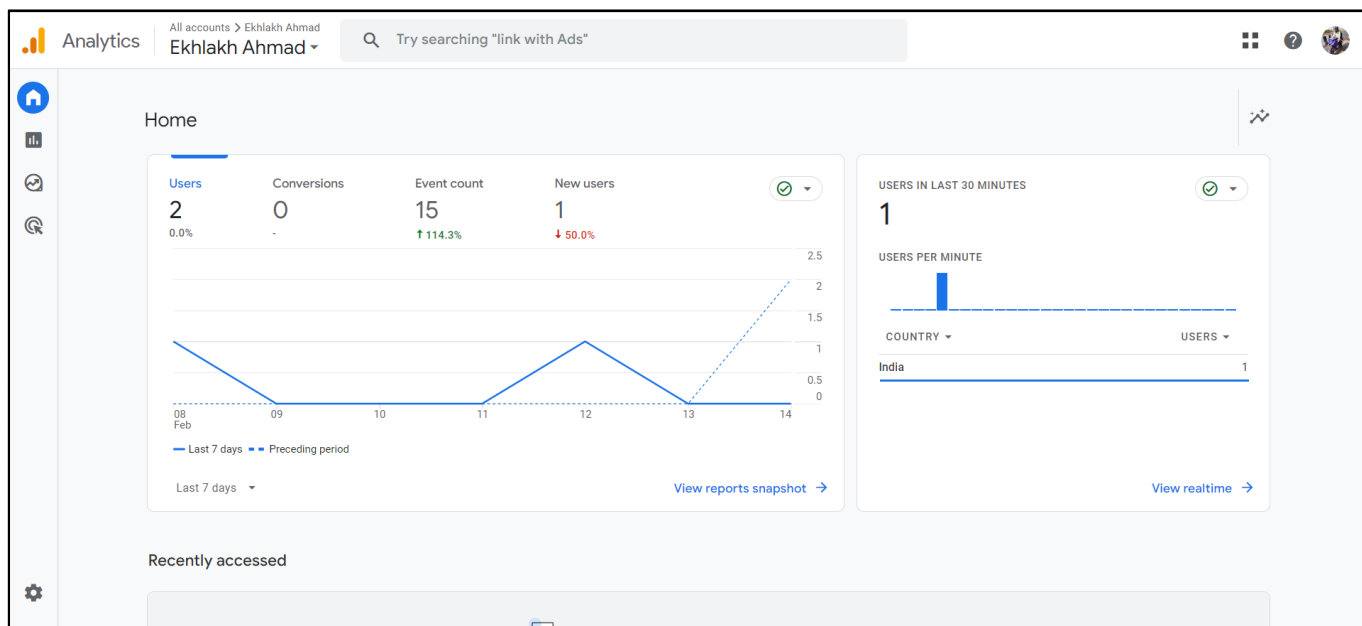
### Top Issues

These audits are identified as the top issues impacting your performance.

All FCP LCP TBT CLS

IMPACT	AUDIT	
High	Avoid enormous network payloads LCP	Total size was 9.51MB
High	Properly size images	Potential savings of 8.94MB
Med	Use explicit width and height on image elements CLS	1 image found
Med-Low	Avoid CSS @import FCP LCP	1 resource found
Med-Low	Efficiently encode images	Potential savings of 950KB

# Google Analytics Without Optimization



USERS IN LAST 30 MINUTES

1

USERS PER MINUTE

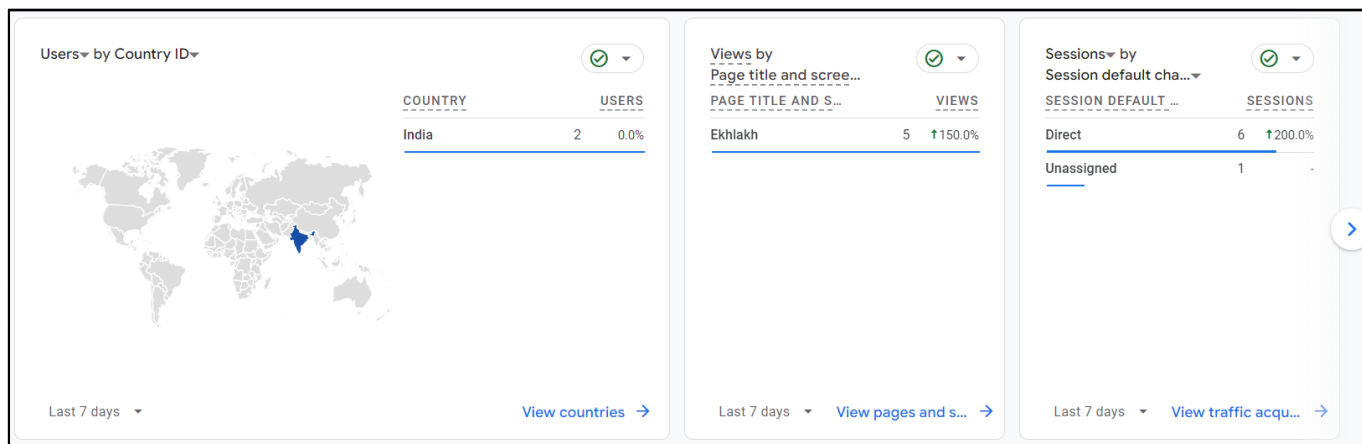
COUNTRY

India

USERS

1

View realtime



# Use UnCSS Without Optimization

Your HTML

```
</div>
<!-- ***** FOOTER PAGE CREATED ***** -->

<div id="footer">
  <p>&copy; 2023 All rights reserved.</p>
</div>
</body>
</html>
```

Your CSS

```
#footer p{
  text-align: center;
  color: white;
  font-size: 18px;
  font-weight: bold;
  padding: 5px;
}

/* ***** RESPONSIVE DESIGN ***** */
```

UNCSS MY STYLES


Your shortened CSS

```
@import url('https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;300;400;500;600&display=swap');

*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: 'Poppins', sans-serif;
}
```

COPY TO CLIPBOARD

## GTmetrix Grade With Optimization



Latest Performance Report for:

https://ekhlakh-personal-portfolio.netlify.app/

Report generated: Thu, Feb 15, 2024 1:04 AM -0800

Test Server Location: Vancouver, Canada

Using: Chrome 117.0.0.0, Lighthouse 11.0.0

GTmetrix Grade ?

Web Vitals ?

B

Performance ?

90%

Structure ?

80%

LCP ?

2.0s

TBT ?

29ms

CLS ?

0.01

Summary

Performance

Structure

Waterfall

Video

History

Speed Visualization ?

0.3s

0.5s

0.8s

1.1s

1.4s

1.6s

1.9s

2.2s

TTFB: 193ms

First Contentful Paint: 473ms

Time to Interactive: 863ms

Largest Contentful Paint: 2.0s

Onload Time: 2.1s

# Page Speed Without Optimization

Report from Feb 15, 2024, 2:37:15 PM

<https://ekhlakh-personal-portfolio.netlify.app/>

Analyze



Mobile



Desktop



experiencing



No Data



Diagnose performance issues

68

Performance

85

Accessibility

96

Best Practices

90

SEO

68

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. [See calculator.](#)

▲ 0–49

■ 50–89

● 90–100

METRICS

[Expand view](#)

▲ First Contentful Paint

1.8 s

▲ Largest Contentful Paint

5.2 s



