Website Selection & Technology Analysis Report

Technical Audit of Noon, Galala University, and CNN

Focus Areas:

Server Location, Technology Stack, and Initial Performance Metrics

December 2, 2025

Contents

1 Introduction

This report documents the selection of three distinct websites for performance analysis: **Noon** (E-commerce), **Galala University** (Education), and **CNN** (News).

For each website, we have identified the hosting server location, analyzed the technology stack (CMS and Frontend Frameworks), and conducted initial performance measurements including page load time, total page size, and the number of HTTP requests.

2 Website 1: Noon (E-Commerce)

URL: https://noon-eg.com/

2.1 Technical Profile

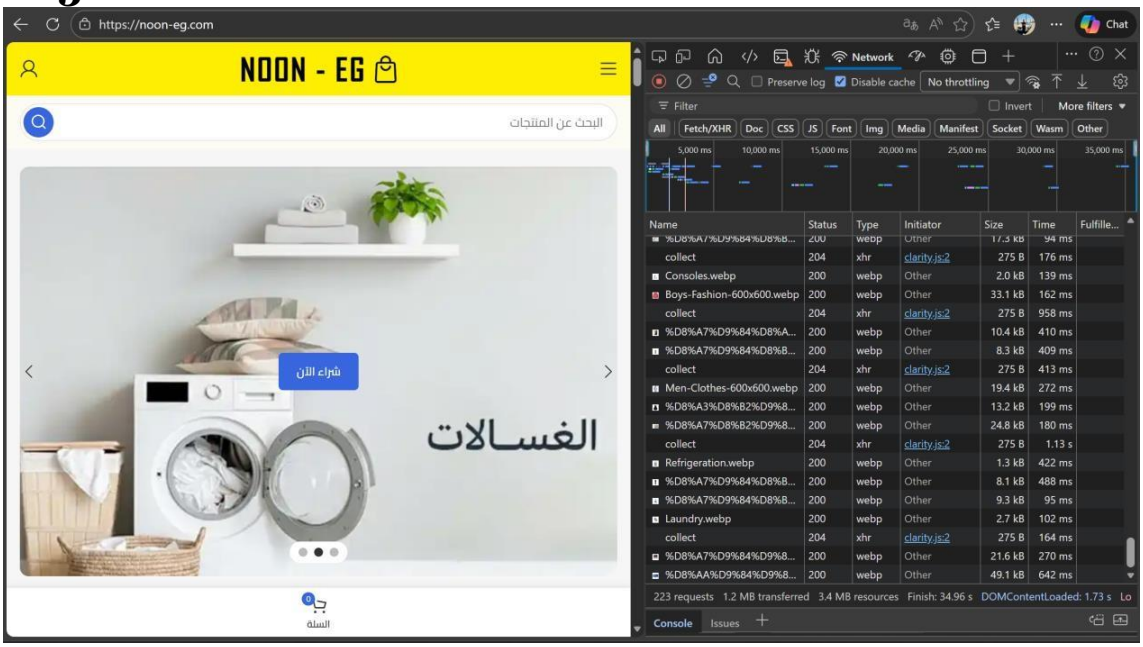
- **Server Location:** San Jose, California, United States (Cloudflare).
- **Content Management System (CMS):** WordPress.
- **Frontend Frameworks:** None identified.
- **Tools Used:** Browser DevTools, Wappalyzer Extension.

2.2 Initial Performance Measurements

The following data represents the average of three distinct measurements:

Metric	Raw Data	Average
Page Load Time (s)	13.19, 63.00, 34.96	**37.05 s**
Total Page Size (MB)	3.1, 4.8, 3.4	**3.77 MB**
Number of HTTP Requests	204, 265, 223	**231 requests**
Resource Count (Images/Scripts)	94, 110, 87	**97 resources**

2.3 Documentation Evidence



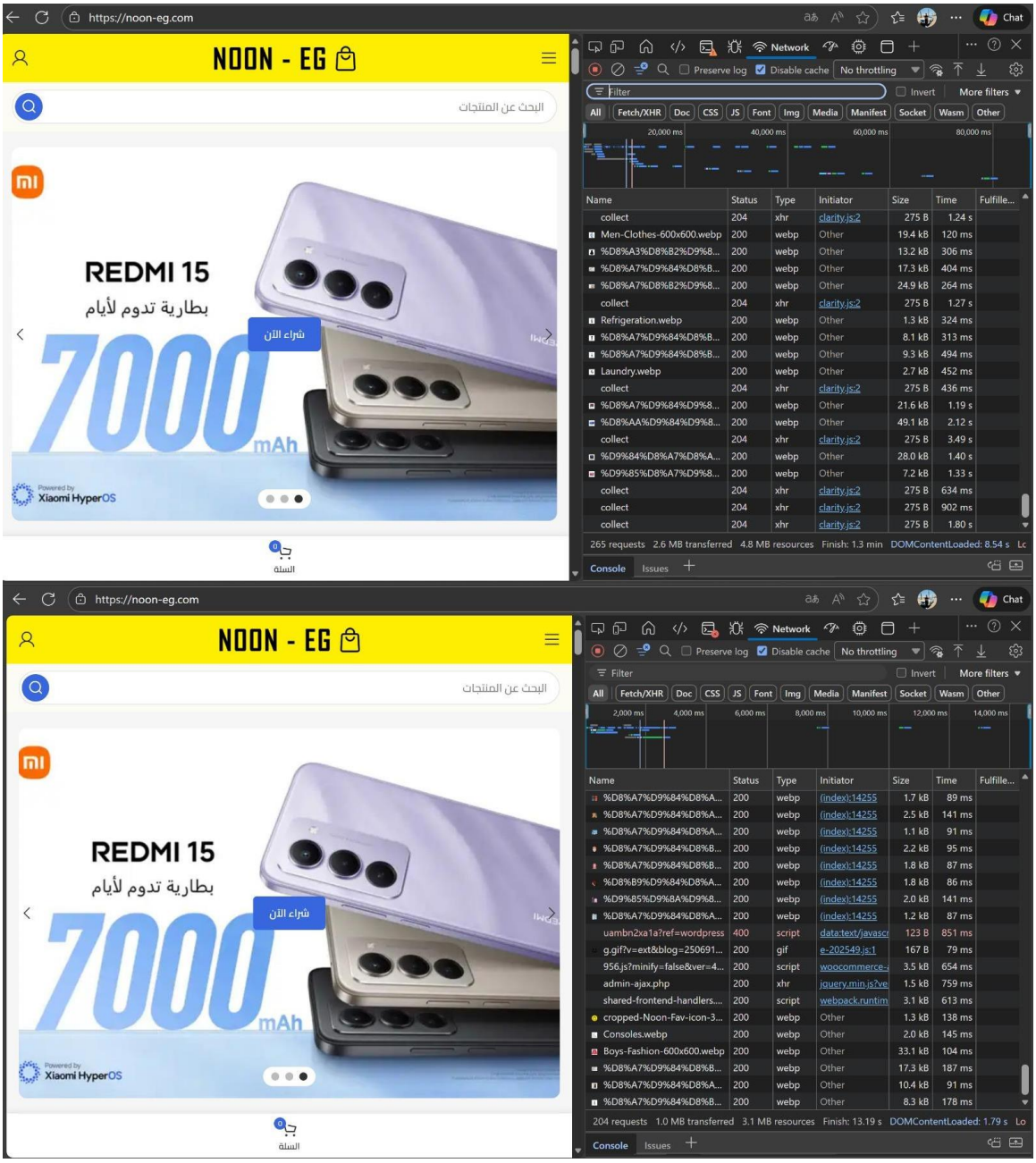


Figure 1: Noon Technology & Network Analysis

3 Website 2: Galala University (GU)

URL: https://www.gu.edu.eg/

3.1 Technical Profile

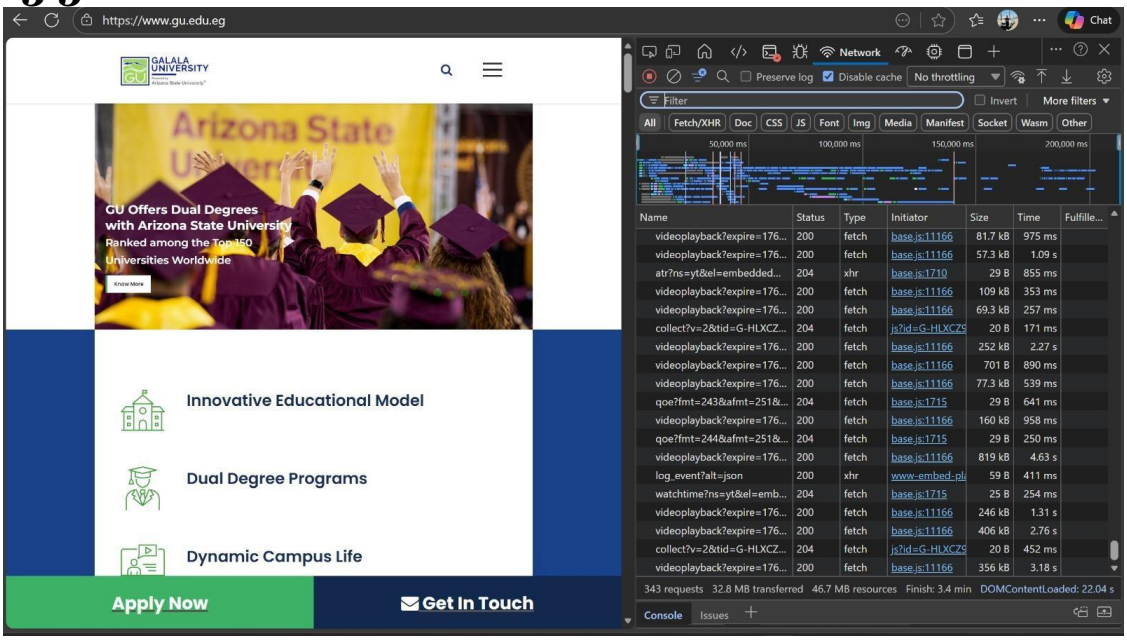
- **Server Location:** Al Jizah, Egypt (TE Data).
- **Content Management System (CMS):** WordPress.
- **Frontend Frameworks:** React & GSAP (GreenSock Animation Platform).
- **Tools Used:** Browser DevTools, Wappalyzer Extension.

3.2 Initial Performance Measurements

The site exhibits significantly high load times and page size compared to others:

Metric	Raw Data	Average
Page Load Time (s)	38.81, 58.73, 204.00	**100.51 s**
Total Page Size (MB)	49.9, 60.4, 46.7	**52.33 MB**
Number of HTTP Requests	286, 273, 343	**301 requests**
Resource Count (Images/Scripts)	120, 105, 140	**122 resources**

3.3 Documentation Evidence



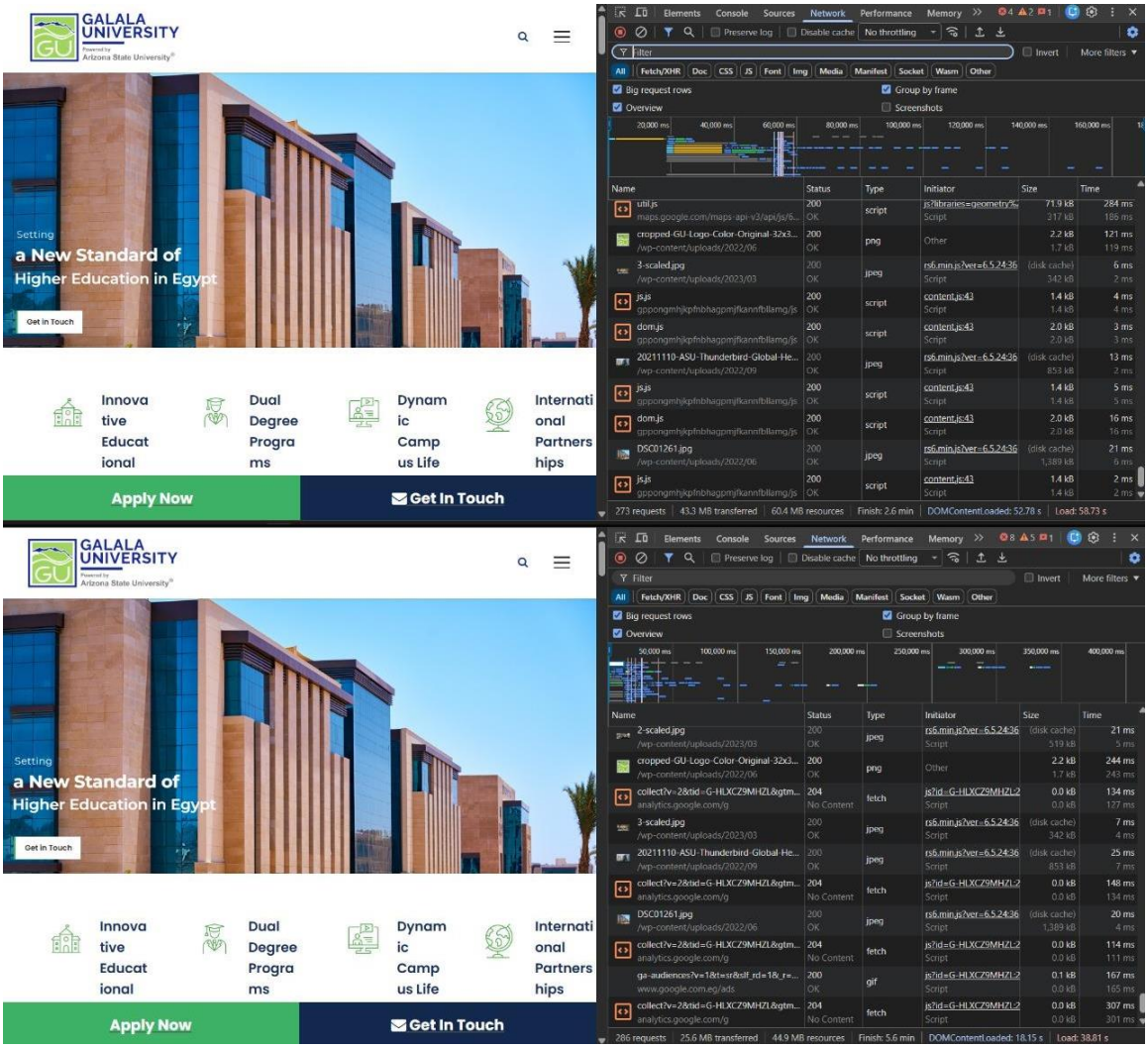


Figure 2: Galala University Technology & Network Analysis

4 Website 3: CNN (News)

URL: https://edition.cnn.com/

4.1 Technical Profile

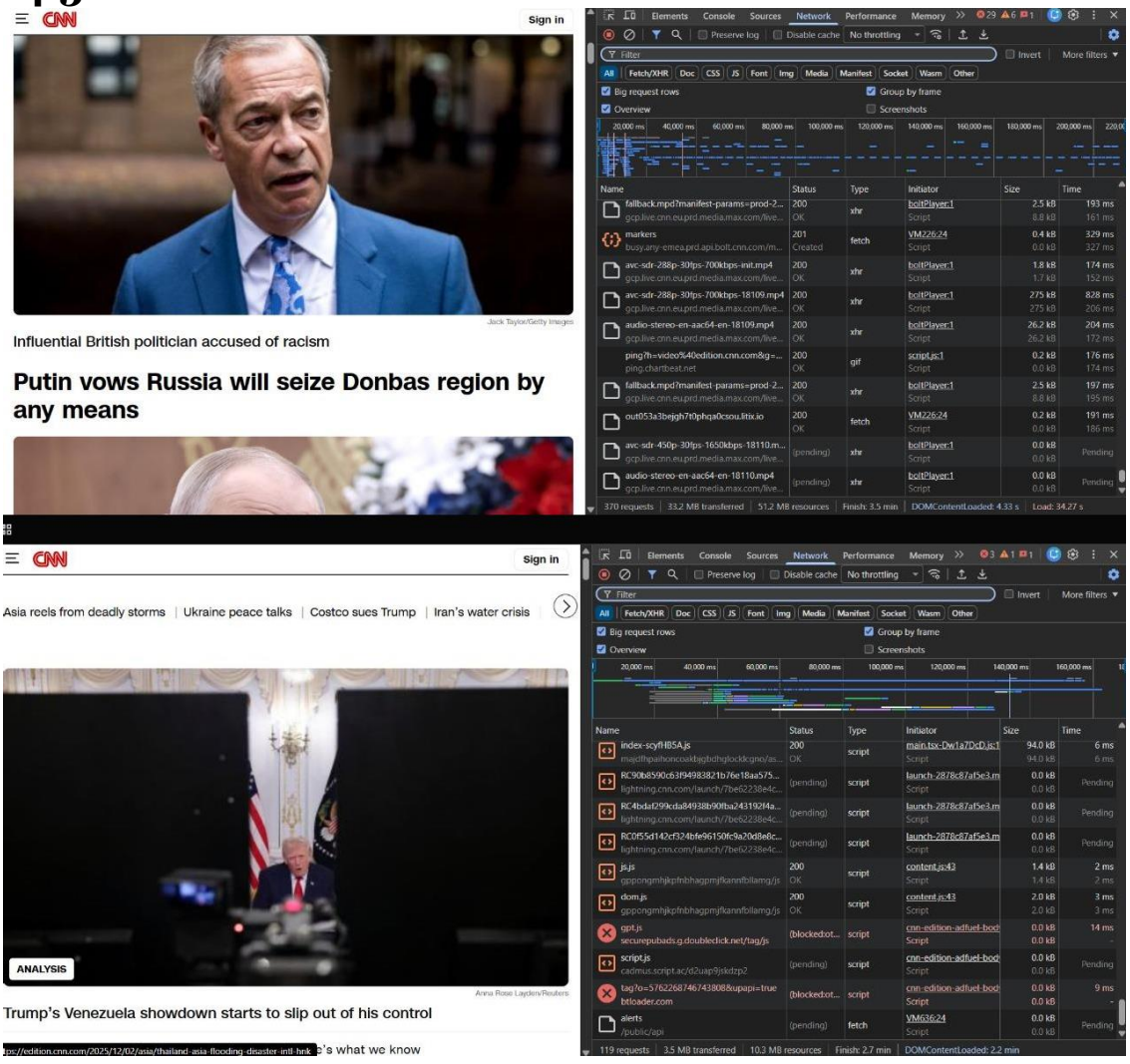
- **Server Location:** Gothenburg, Västra Götaland, Sweden (Fastly Inc.).
- **Content Management System (CMS):** None identified.
- **Frontend Frameworks:** React & Styled-components.
- **Tools Used:** Browser DevTools, Wappalyzer Extension.

4.2 Initial Performance Measurements

CNN shows the highest average load time, likely due to heavy media content:

Metric	Raw Data	Average
Page Load Time (s)	132.00, 154.20, 210.00	**165.40 s**
Total Page Size (MB)	30.6, 10.3, 51.2	**30.70 MB**
Number of HTTP Requests	130, 119, 370	**206 requests**
Resource Count (Images/Scripts)	70, 65, 150	**95 resources**

4.3 Documentation Evidence



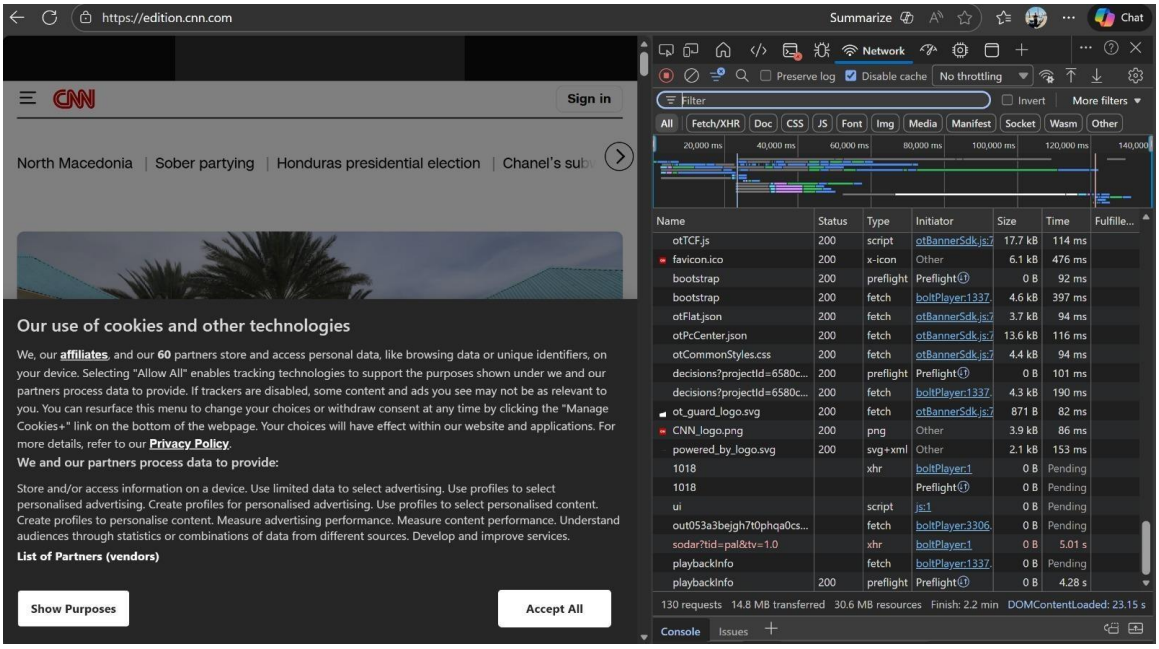


Figure 3: CNN Technology & Network Analysis

5 Comparative Overview

The following table summarizes the key metrics across all three selected websites, highlighting the variations in performance relative to their complexity and hosting locations.

Metric	Noon	Galala University	CNN
Tech Stack	WordPress	WordPress, React	React
Server Loc.	USA (Cloudflare)	Egypt (TE Data)	Sweden (Fastly)
Avg Load Time	**37.05 s**	100.51 s	165.40 s
Avg Page Size	**3.77 MB**	52.33 MB	30.70 MB
Avg Requests	231	**301**	206

Table 1: Comparative Analysis Summary

Conclusion:

- **Noon** is the lightest and fastest among the three, benefiting from Cloudflare's CDN and optimized page size (3.77 MB).
- **Galala University** suffers from an extremely large page size (52.33 MB) and high request count, indicating unoptimized assets.

- **CNN** has the longest load time (165.4s), typical for media-heavy news sites with numerous third-party scripts and ads, despite having a moderate page size compared to GU.

6 Comparative Overview

The following table summarizes the key metrics across all three selected web- sites, highlighting the variations in performance relative to their complexity and hosting locations.

Metric	Noon	Galala University	CNN
Tech Stack	WordPress	WordPress, React	React
Server Loc.	USA (Cloudflare)	Egypt (TE Data)	Sweden (Fastly)
Avg Load Time	**37.05 s**	100.51 s	165.40 s
Avg Page Size	**3.77 MB**	52.33 MB	30.70 MB
Avg Requests	231	**301**	206

Table 1: Comparative Analysis Summary

Conclusion:

- **Noon** is the lightest and fastest among the three, benefiting from Cloudflare's CDN and optimized page size (3.77 MB).
- **Galala University** suffers from an extremely large page size (52.33 MB) and high request count, indicating unoptimized assets.
- **CNN** has the longest load time (165.4s), typical for media-heavy news sites with numerous third-party scripts and ads, despite having a moderate page size compared to GU.