

# **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

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# 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

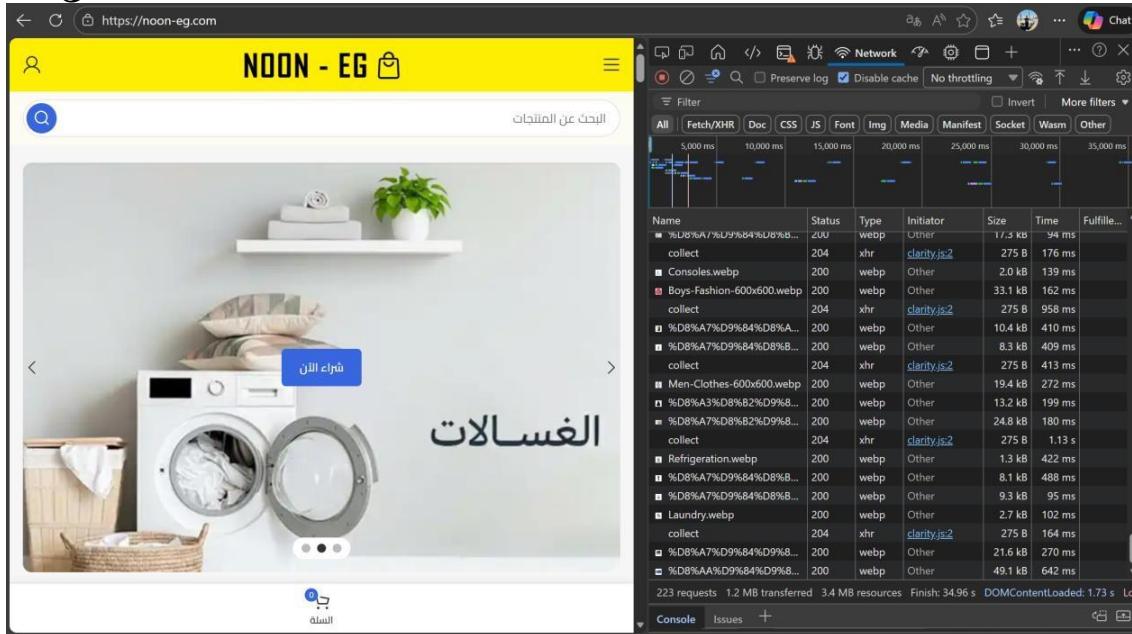
- **Server Location:** San Jose, California, United States (Cloudflare).
- **Content Management System (CMS):** WordPress.
- **Frontend Frameworks:** None identified.
- **Tools Used:** Browser DevTools, Wappalyzer Extension.

### 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	<b>37.05 s</b>
Total Page Size (MB)	3.1, 4.8, 3.4	<b>3.77 MB</b>
Number of HTTP Requests	204, 265, 223	<b>231 requests</b>
Resource Count (Images/Scripts)	94, 110, 87	<b>97 resources</b>

### 2.3 Documentation Evidence



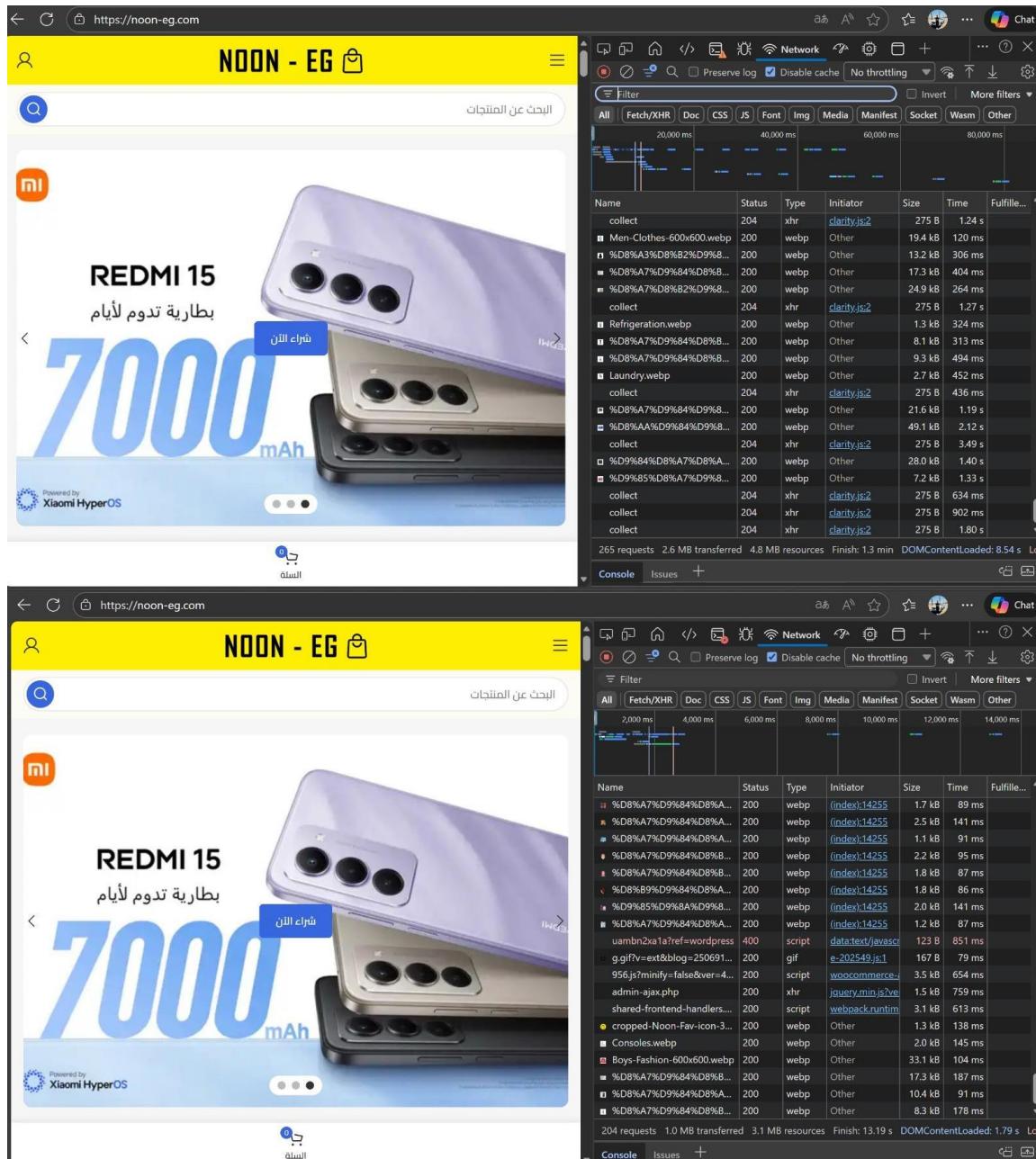


Figure 1: Noon Technology & Network Analysis

## 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	<b>100.51 s</b>
Total Page Size (MB)	49.9, 60.4, 46.7	<b>52.33 MB</b>
Number of HTTP Requests	286, 273, 343	<b>301 requests</b>
Resource Count (Images/Scripts)	120, 105, 140	<b>122 resources</b>

### 3.3 Documentation Evidence

The screenshot shows the Galala University website homepage. The main content features a banner about dual degrees with Arizona State University, followed by three sections: 'Innovative Educational Model' with a graduation cap icon, 'Dual Degree Programs' with a graduation cap icon, and 'Dynamic Campus Life' with a person icon. At the bottom, there are two buttons: 'Apply Now' and 'Get In Touch'. To the right of the page, the browser's developer tools Network tab is open, displaying a timeline of network requests. The requests include various JavaScript files (e.g., base.js, js11166, js1715), CSS files, and images, all originating from the server. The total page size is listed as 32.8 MB transferred, and the total number of requests is 343.

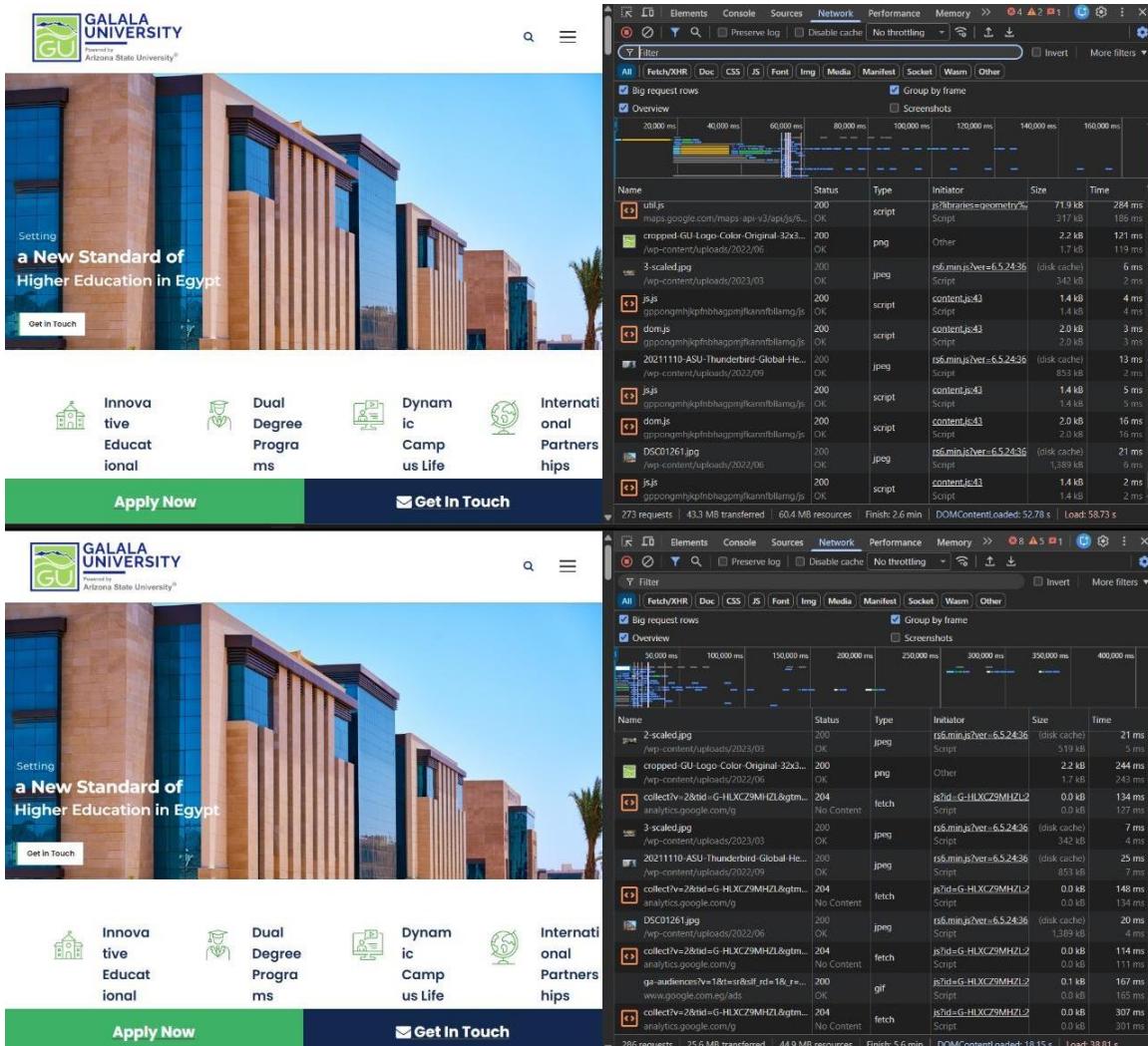


Figure 2: Galala University Technology &amp; Network Analysis

## 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	<b>165.40 s</b>
Total Page Size (MB)	30.6, 10.3, 51.2	<b>30.70 MB</b>
Number of HTTP Requests	130, 119, 370	<b>206 requests</b>
Resource Count (Images/Scripts)	70, 65, 150	<b>95 resources</b>

### 4.3 Documentation Evidence



Influential British politician accused of racism

Putin vows Russia will seize Donbas region by any means



Asia reels from deadly storms | Ukraine peace talks | Costco sues Trump | Iran's water crisis

ANALYSIS

Trump's Venezuela showdown starts to slip out of his control

www.edition.cnn.com/2025/12/02/asia/thailand-asia-flooding-disaster-intl-hnk/c's what we know

The screenshots show the CNN website interface. The top one displays a political figure in a blue suit. The bottom one shows Donald Trump at a podium. Both screens include network traffic analysis tools (like NetworkMiner) overlaid, showing request and response details for various assets like images, scripts, and JSON files.

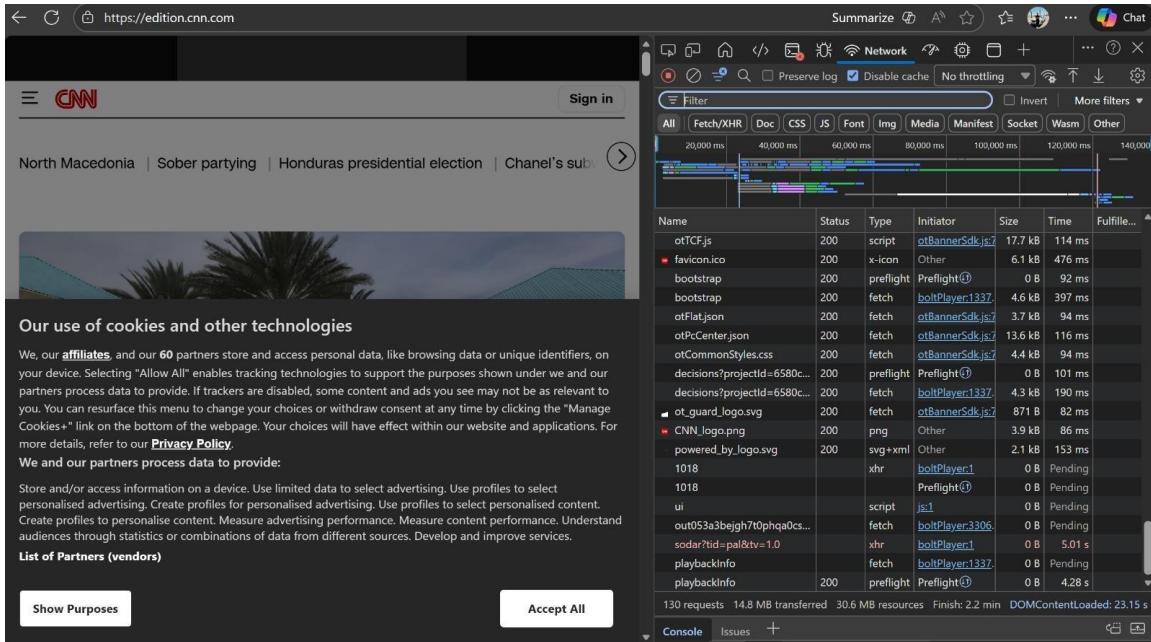


Figure 3: CNN Technology &amp; Network Analysis

## 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
<b>Tech Stack</b>	WordPress	WordPress, React	React
<b>Server Loc.</b>	USA (Cloudflare)	Egypt (TE Data)	Sweden (Fastly)
<b>Avg Load Time</b>	<b>37.05 s</b>	100.51 s	165.40 s
<b>Avg Page Size</b>	<b>3.77 MB</b>	52.33 MB	30.70 MB
<b>Avg Requests</b>	231	<b>301</b>	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
<b>Tech Stack</b>	WordPress	WordPress, React	React
<b>Server Loc.</b>	USA (Cloudflare)	Egypt (TE Data)	Sweden (Fastly)
<b>Avg Load Time</b>	<b>37.05 s</b>	100.51 s	165.40 s
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