



SKYNET TECHNOLOGIES

CASE STUDY

Custom WordPress Fully ADA WCAG 2.1 AA Compliant Website Development for Athens, Georgia Public Health





Project Details



Industry

Public Health



Project Size

Large



Platform

WordPress



Services

Website redesign, Automated and Manual Website Accessibility Audit, Custom WordPress Development, ADA web accessibility remediation services, ADA website accessibility consulting & support, Website Maintenance retainer

The Brief

The client is a government organization, Providing Public Healthcare services in Georgia Athens services 10 counties of northeast Georgia. Their primary objective is to Provide free and low-cost services to everyone within their area and promoting healthy lifestyles among community members.

The client reached out with requirement of revamping their existing WordPress website as per best UI/UX practices and making their website fully ADA WCAG 2.1 AA level compliant, without using any Widget / plugin.



The Challenges

- All county health departments were organizing events to promote health-related services and awareness events. They wanted to create a dynamic county section with quick helpful links and county-specific services where they could easily manage all the events & they want to make sure; it should be easy to navigate for the users.
- Another challenge was the location page with the map integration of all different health departments in an organized, convenient, and easy to navigate for the users. There were a few areas/locations which only had P.O Box number.
- In order to be efficient they wanted to add new jobs and Press Release automatically using API and Data Scraping from state website.
- They had Covid data dashboard with custom charts and information as HTML file format, generated from third party application and it was required to be Integrated seamlessly and dynamically within website, and we had to make sure Covid Dashboard design would be changed as per state guidelines automatically once it is upload on new website.
- Along with custom design we had to ensure website must be Fully ADA WCAG 2.1 AA compliant with the best website accessibility practices for future updates as well.
- As this was a public health website, another challenge was to add translator with following the brand guidelines and had to make sure any names, contact number and address are not automatically translated along with other web page content.
- They wanted us to complete their website in about 12 to 14 weeks. although at the same time, they were very flexible and helpful and supportive about providing us required information/approval on or before time.



Our Approach and Solution

We analyzed the client's existing website; tried to understand targeted audience behaviour and how other public health department websites are structured in state of Georgia.

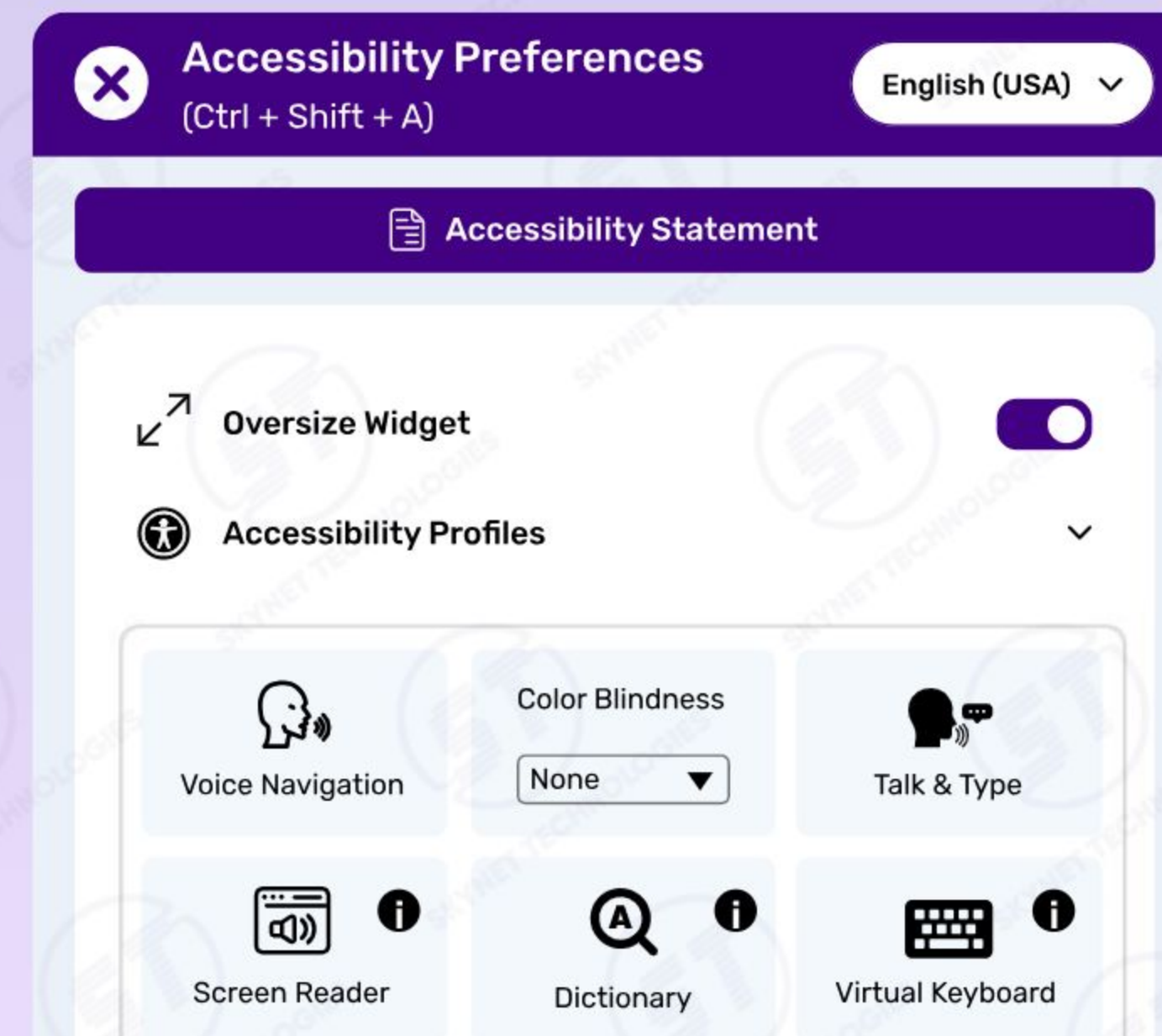
The client were super helpful and they made sure we understand their organizational background, services and programs, the history and current state of their website, and most importantly their website revamp goal and objective.

- We created a sitemap to redesign information architecture.
- We had revamped home page and other key pages such as locations with map integration and easy to filter by county, zipcode or department; counties with quick helpful links, services, closure, and events; events with search, easy to filter and calendar integration.
- Moreover, we have revamped services, payments & Insurance, dynamic data dashboard, jobs, news, teams, resources sections per client's requirement.
- We have added bulk event upload feature, appointment, automated job functionality, and press releases via data scrapping. In addition, we have added functionality to enable users to add events to their calendar.
- To reduce security risks, we enhanced website data security, anti-spam protection, and firewall protection.
- We followed WCAG 2.1 AA level and did both manual and automated testing and remediated errors accordingly to ensure the website's accessibility.
- We have remediated over 120 PDF to make them accessible via screen readers.

All in One Accessibility® widget integration

Beyond identifying WCAG violations, an accessibility widget integration provided quick remediation for issues within its scope, allowing immediate improvements on first-party components while manual remediation was planned for more complex elements.

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Our Approach and Solution

For manual website accessibility testing, the following assistive technologies were used:

- NVDA (NonVisual Desktop Access)
- All in One Accessibility Screen Reader
- JAWS (Job Access with Speech)
- Voiceover

For automated website accessibility testing, the following tools were used:

- Monsido
- WAVE

Result

- The redesigned multilingual website has improved UX, performance, usability, security, and mobile readiness.
- Website speed has been significantly improved.
- The website is now WCAG 2.1 AA level compliant and continues to follow the best website accessibility practices for future updates.





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Thanks for your time. Any questions?
You can connect with us at:



www.skynettechnologies.com



+1 - (810) - 358 - 8040



hello@skynettechnologies.com

Contact Information



USA - KENTUCKY

SKYNET TECHNOLOGIES USA LLC.

Independence

3265 Summitrun Drive,
Independence, KY, 41051.

Phone: (810)-358-8040



USA - NEVADA

SKYNET TECHNOLOGIES USA LLC.

Las Vegas

304 S. Jones Blvd,
Las Vegas, NV, 89107.

Phone: (725)-222-4706



USA - FLORIDA

SKYNET TECHNOLOGIES USA LLC.

Gainesville

9045 SW 79th Avenue
Gainesville, FL 32608

Phone: (502)-237-3375



INDIA

SNTG IT SERVICES PVT LTD

Jamnagar, Gujarat

258, 259, 260, 2nd Floor,
NEO Square, Near Ambar Cinema,
P. N. Marg, Jamnagar, Gujarat, 361008.

Phone: +91 288 2557292



INDIA

SNTG IT SERVICES PVT LTD

Ahmedabad, Gujarat

401, 4th Floor, Wing B, Mondeal Heights,
SG Highway, Near Wide Angle Cinema,
Ahmedabad, Gujarat 380015

Phone: +91 79 49396881



INDIA

SKYNET TECHNOLOGIES

Pune, Maharashtra

Virtual Development Center

Phone: +91 93590 89306



AUSTRALIA

SKYNET TECHNOLOGIES AUSTRALIA PVT LTD

ABN# 27 640 775 588

Melbourne

Lebel 8, 805/220 Collins St,
Melbourne VIC 3000
(8th level of building 220)

Phone: +61 73-053-8090