



CPSS240/NGCN

Malaika Nyawara

College Park Scholars – Science & Global Change Program

Biochemistry

mnyawara@umd.edu

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Introduction

For my practicum project I took the class CPSS240. For this class we participated in a program called NextGen Coders Network where we were put into teams with people from Iraq, Kuwait, and Palestinian territories, and worked together to code a final project.

Impact:

I think that this program was a great opportunity for me to interact with people from other countries. I think that it is important that the program is not just focused on creating the project but putting an emphasis on intercultural, communication, and centering the project on real world issues. During the program I also learned a little about coding HTML, project management, and design thinking.

NGCN:

We completed modules on that corresponded to the project and had weekly live discussions.

Everyone chose grand challenges that they found interesting or important. Each week, for four weeks, we narrowed down the topic until we selected our final project.

We decided on the topic of clean energy, and decided to focus on wind energy, solar energy, and hydropower.

We decided to create an informative website.

We used Zoom and WhatsApp to communicate.

My part in the project was to design the website, since I'm not too experienced at coding (but I still learned about it in the modules).

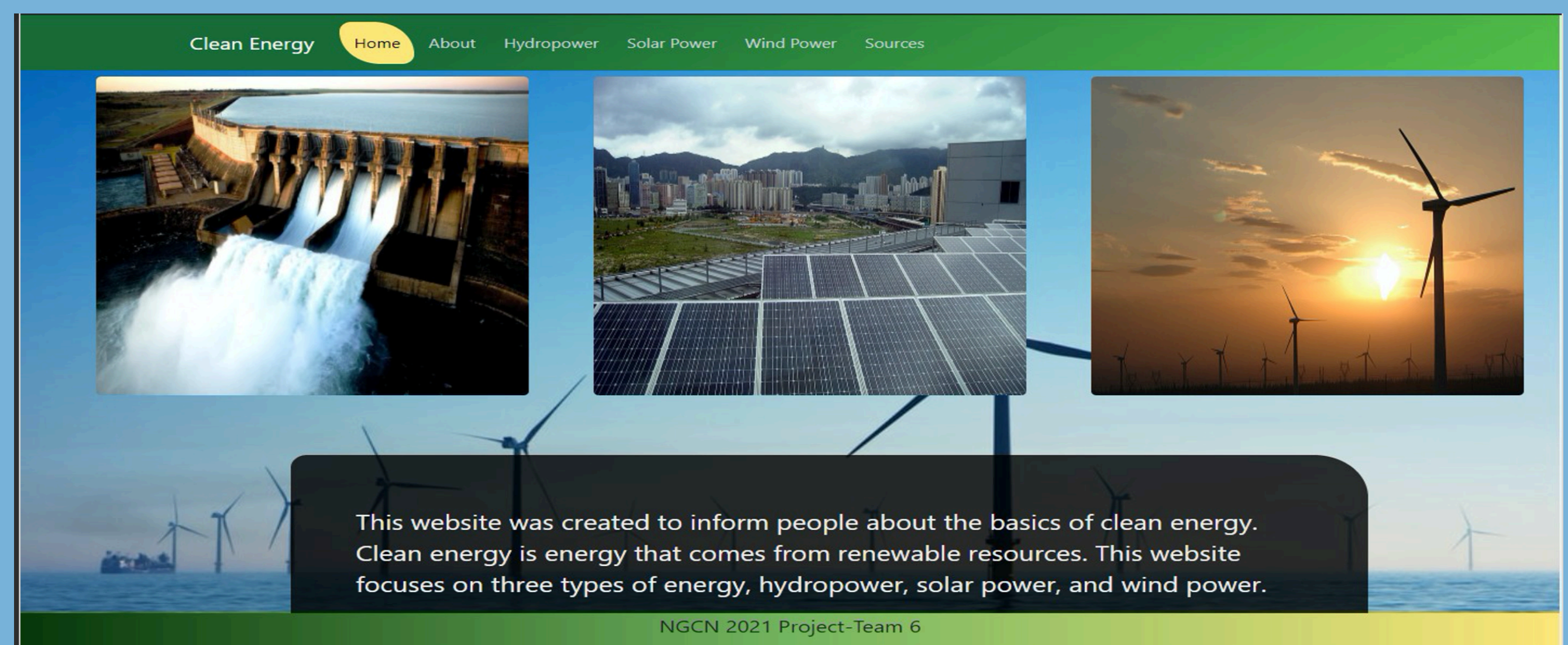
```
<!DOCTYPE html>
<html>
<head>

<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWVTNh0E263XmfcJlSawAGFAW/dA1S6JXm" crossorigin="anonymous">

<link rel="stylesheet" type="text/css" href="main.css">

<title></title>
</head>
<body>
<header class="site-header">
<nav class="navbar navbar-expand-md navbar-dark bg-steel fixed-top">
<div class="container">
<a class="navbar-brand mr-4" href="{% url 'blog-home' %}">Clean Energy</a>
<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarToggle" aria-controls="navbarToggle" aria-expanded="false" aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarToggle">
<div class="navbar-nav mr-auto">
```

This is an image some of the code for the website.



These are pictures from the website we created.

Site Information:

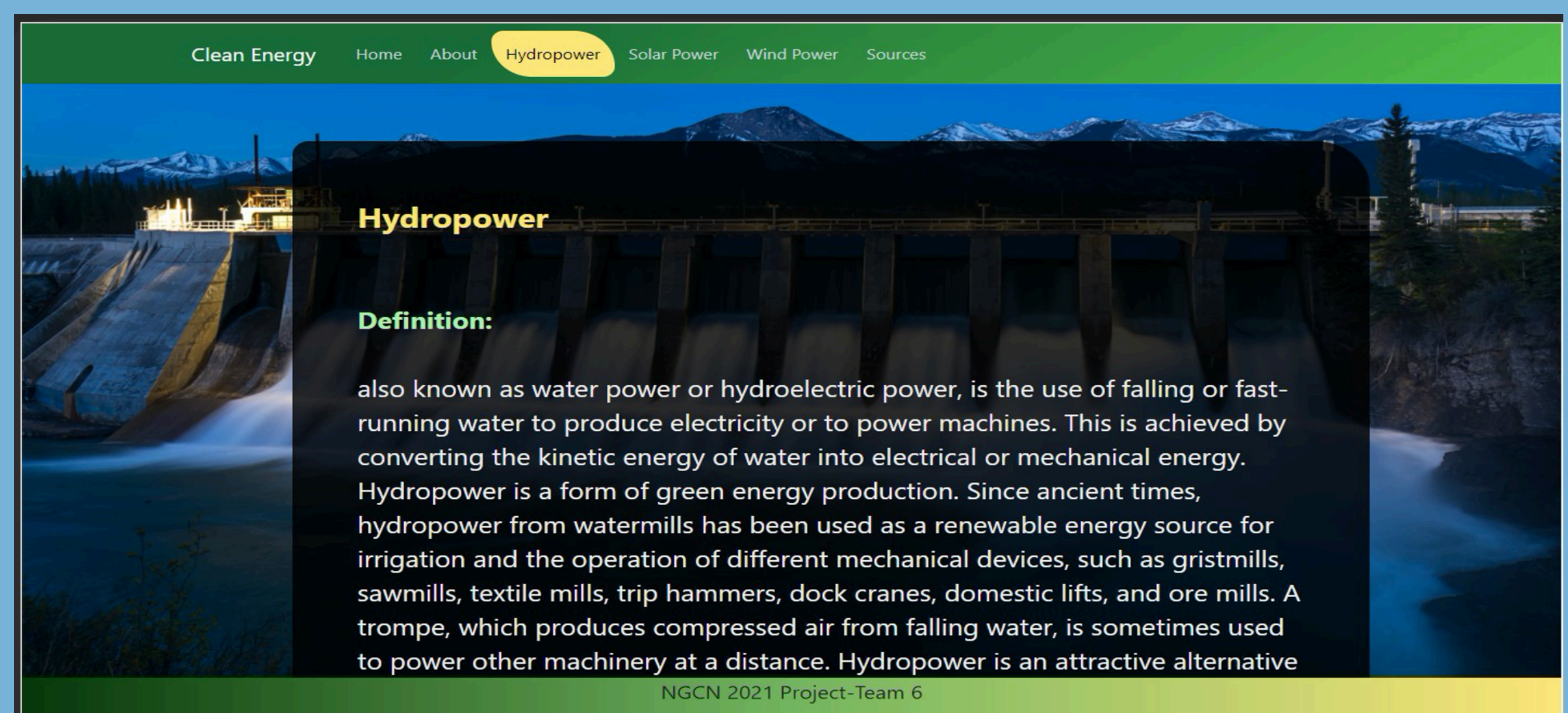
University of Maryland, College Park

Matthew Aruch

NextGen Coders Network

<https://www.worldlearning.org/program/nextgen-coders-network/>

“The NextGen Coders Network brings together multidisciplinary university students and young professionals from Iraq, the Palestinian Territories, and the U.S. for a virtual exchange to learn coding and collaborate on a website or application that tackles a grand challenge.”



CPSS240 :

Before the program started, we discussed and learned about intercultural communication, problem based learning, and grand challenges in order to prepare for the program.

After the program started, we had weekly discussions about what each of our groups did throughout the week. We focused on our accomplishments and challenges that we faced each week in NGCN.



Acknowledgments:

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