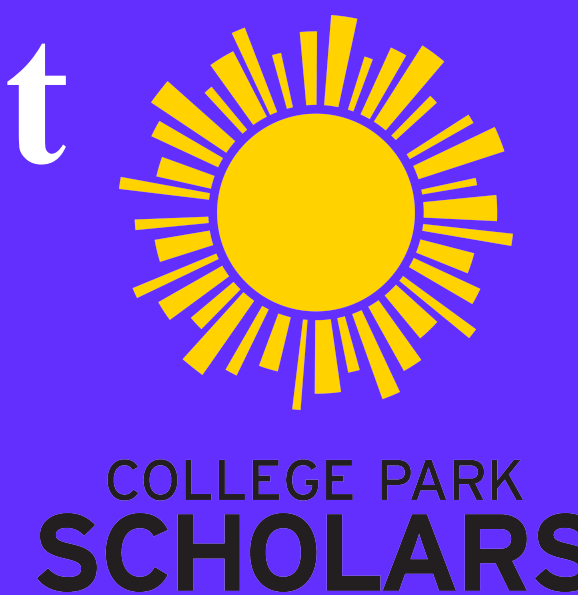# CPSS240: NextGen Coders Network Participant

Ruchir Raturi

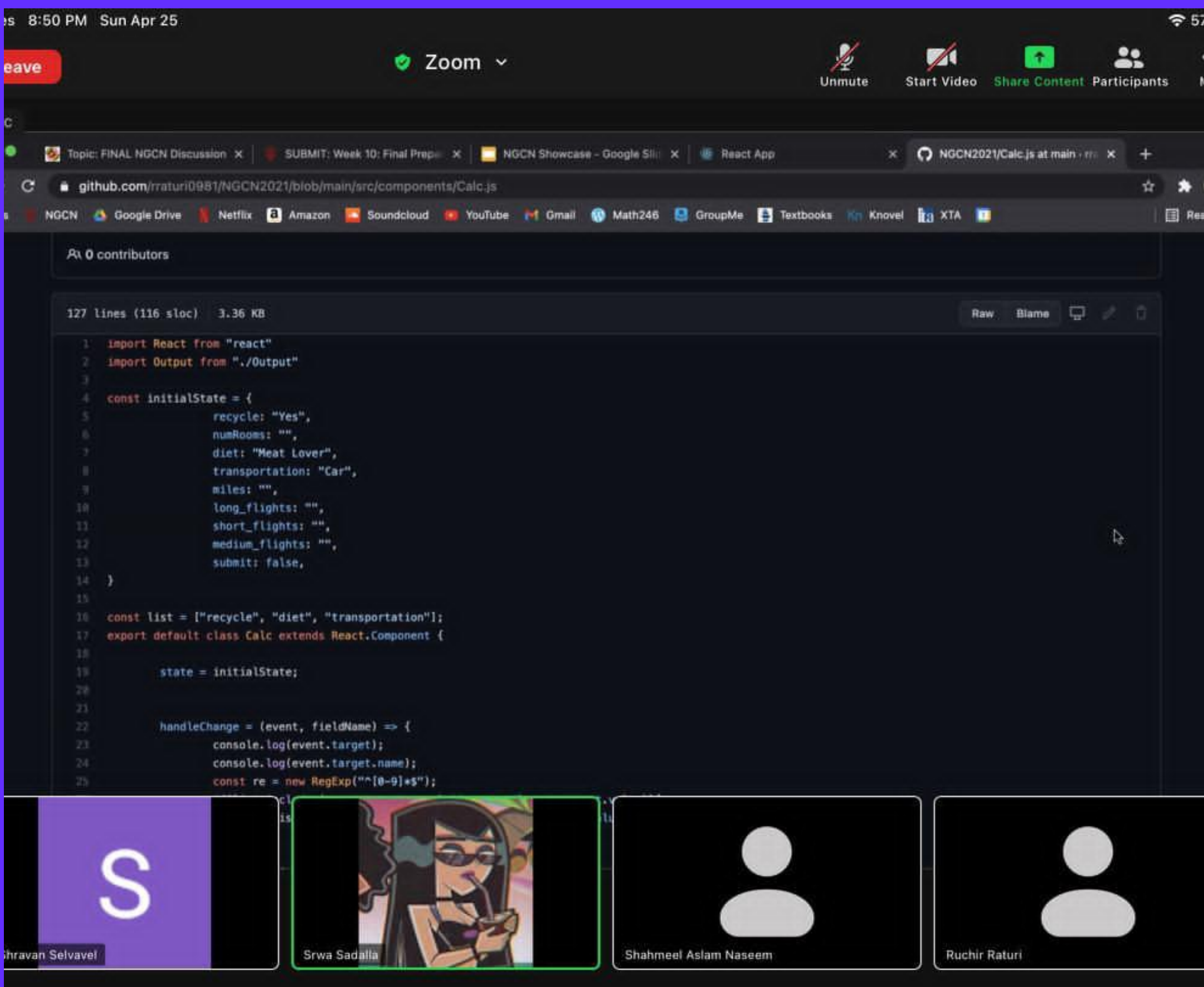College Park Scholars – Science & Global Change Program
Computer Science & Math
rraturi@umd.edu
College Park Scholars Academic Showcase, April 30, 2021

Introduction

In my practicum I participated in a 10 week hackathon with students from across the world. Our group met virtually to develop, plan and create a product that attempted to help solve and issue of our choice.

The following picture is from one of our meeting from zoom where my group members and I were talking about

Site Information:

University of Maryland College Park

7999 Regents Dr, College Park, MD 20740

Dr Matthew Ian Aruch

The main goals of the class and program are to investigate global perspectives on STEM Education, as well as develop skills in project management and working with international groups.

Issues Confronting Site:

Due to the pandemic this class was completely online. The biggest issue I faced however revolved around meeting with my group members. Since a lot of them lived in Iraq, the timezone difference made it very difficult to organize

Activities:

The program can be split into 2 parts the class and the hackathon itself

- The Class
    - Learned about project development specifically when working in international groups
    - Learned how to create websites with ReactJS
- The Hackathon
    - Worked within group to create and develop a prototype that helped users keep track of their yearly CO_2 emissions
    - Taught group members how to program and use technologies like github

Inspired by an activity I had done in CPSG freshman year, our group aimed to create a website that not only monitors your CO_2 emissions, but trains you to limit them. This picture is our prototype of that idea.

Impact:

This experience was definitely an interesting one. I not only learned how to work with international students but developed an idea and product with them. In my group, I was the only one who had programmed before so this program gave me the opportunity to also practice teaching people how to program. I also gained experience planning a project in such a away that all group members could contribute.

Future Work:

Due to our groups lack of experience, we were unable to add all the features we had originally planned. In the future we would like to add certain features like a login screen so that we can have multiple users as well as a functionality that would send reminder emails to the user so that they could remember to limit their CO_2 emissions.

Acknowledgments: