Rachel Mittal

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cmittal8.github.io 🖥

EXPERIENCE

STUDENT ASSISTANT WEB DEVELOPER

Georgia Tech VIP, DEC 2020 - Present

• Migrate and refactor content database to be accessible through the API of the new collaborative content management platform

INTERN

PsychoGenics, MAY 2017 – JUNE 2017

• Focused on analysis of complex behavioral data in mouse models for ALS and AD using proprietary in-house technology

• Presented my research showing phenotypic differences in mutant mouse models of ALS and AD

PROJECTS

HackDuke

• Redesigned the Shodor website under 24 hours using HTML and CSS for the nonprofit track

Musical Note Recognition: VandyHacks VII

• Designed and implemented the frontend for the musical note recognition web application under 36 hours

• Implemented the live recording and the audio recognition features

Multiplayer VR Chess: HackGT 7

• Created a VR application where users can meet and play chess under 36 hours

• Utilized Aframe, a WebVR JS library for visual rendering, along with multiple open-sourced components to extend its base functionality

Farm Simulation Game: Objects and Design Course

• Designed and built a farm simulation game using JavaFX in a team of 5

• Responsible for tracking milestones and managing the overall sprint

CLUBS AND COMMUNITY INVOLVEMENT

Engineers Without Borders, Malawi Project Communications Committee Member, August 2020 – Present

• Established in-country contact for the Malawi Project and led communications to operationalize the team towards project initiatives

• Redesigned website for the organization

McDonough Youth Advisory Council, August 2017 – May 2019

• Organized events such as the Teen Movie Night for ~300 teens to bring the community closer together.

Other Clubs: Google Developers Club at Georgia Tech, Girls Who Code, Girl Scouts (Silver Award)

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Georgia Institute of Technology

Expected May 2023 | Atlanta, GA

HIGH SCHOOL DIPLOMA

Eagles Landing High School

May 2019 | McDonough, GA

LINKS

GitHub:// **cmittal8**

LinkedIn:// **rachel-mittal**

Devpost:// **chiranshi123**

COURSEWORK

• Introduction to Object Oriented Programming

• Computer Organization and Programming

• Data Structures and Algorithms

• Objects and Design

• Linear Algebra

• Discrete Math

• Applied Combinatorics

SKILLS

• Java

• HTML

• CSS

• JavaScript

• MATLAB