Chaitanya Rishi Nallapareddy

Buffalo, NY• 716-563-1919 • chaitanya167@gmail.com
ChaitanyaRishi.github.io • linkedin.com/chaitanyarishi/

EDUCATION

University at Buffalo, SUNY
Bachelor of Science, Computer Science, July 2020

Courses: Data Structures and Algorithms, Algorithm analysis, Software Quality in Practice, Sequential and Parallel systems, Digital Systems, Theory of Computation, Computer Organization.

SKILLS

- Java, C++, JavaScript, HTML, CSS, Bootstrap, NodeJs, jQuery, MongoDB, Express, Linux, git, Semantic UI.

PROJECTS

Kendra (Hackathon winning project)
- Kendra is a virtual reality chat-bot that can sync lips, make eye contact, and simulate hand gestures.
- Kendra is designed specifically to make banking apps more helpful, so when asked a question about interest rates, available plans, etc., it can immediately give an opt response.
- Created Kendra using node.js, blender, and unity on cloud and finally connected all these components in the AWS engine.
- Implemented YouTube API to VR setting which has created a completely new user experience.
- Link: https://devpost.com/software/kendra

Candy Crush
- Built a clone of candy crush with similar functionality using Java.
- Implemented model-view separation and good software engineering principles in the development of the game.
- Coded the game by making sure each class has a well-defined role to play in the overall system, which has resulted in a clean and easily readable code.
- Link: https://github.com/ChaitanyaRishi/Candy-Crush--Project

Fractal Simulator
- Developed interactive fractal simulation that smoothly changes pattern wherever zoomed in.
- Built this in Java and used concepts of Multi-threading that has enhanced the response time of zoom.

HTML Validator
- Created a simple HTML validator that parses the HTML file and validates it.
- Implemented Stack and Queue data structures to check validity of opening and closing tags and also to improve the runtime of code.
- This validator can correctly validate any of the tricky situations involved in html tags like hierarchy of different tags, nested tags, tags with no closing tags, etc.

ACHIEVEMENTS

- **UB Hackathon winner, 2018-** Won two sponsor prizes from M&T Bank, and ACV auctions at UB hackathon 2018 for Kendra.
- Received International Student Merit Scholarship for getting a 4.0 GPA in High School.
- Selected for the final round of National Science and Math Olympiad in India.