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EDUCATION

University at Buffalo, The State University of New York

Bachelor of Science, Computer Science, July 2020

Courses: Intro to Algorithms, Data Structures and Algorithms, Sequential and Parallel systems, Digital Systems, Computer Organization

SKILLS

- Java, C++, Python, JavaScript, HTML, CSS, NodeJs, jQuery, MongoDB, Express, Bootstrap, 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 of \$3500.
- Selected for the final round of National Science and Math Olympiad in India.