Maneesh Wijewardhana

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Education

University of Guelph   September 2020 - May 2025 (expected)
Bachelor's of Computing, Computer Science (Co-op)   Guelph, ON
Minor in Mathematics
84% Cumulative GPA

Skills

Languages: JavaScript, Python, Java, C, HTML, CSS, SQL, Lua
Libraries: Node.js, React.js, Express.js, Socket.io, MongoDB, Bootstrap, Tailwind, Three.js, BeautifulSoup, jQuery
Tools: Git, Docker, MySQL, Postman, Jira, Agile/Scrum, Netlify, Heroku, Unix/Linux

Work Experience

Distributive   Kingston, ON
Software Developer   May 2022 - September 2022

- Node.js development of core libraries/components for a distributed cloud computing platform named the Distributed Compute Protocol (DCP).
- Programming component tests for internal API's such as the Compute API, Wallet API, and Protocol API which lead to a more stable codebase.
- Attending daily stand-up meetings/code sprints in order to efficiently communicate current ideas/projects with the team.

Projects

Solar | *JavaScript, Three.js, React.js, HTML, CSS*   View

- Developed a solar system simulator where the user is able to change simulation speeds and get information about each planet using The Solar System OpenData API.
- Employed knowledge on 3D objects, texture mapping, animations, and lighting/cameras to implement accurate depictions of celestial bodies.
- Applied relative values of orbital speeds, rotational speeds, sizes, etc in order to simplify the experience for the end user and developer.

Pokedex | *Node.js, React.js, MongoDB, Express.js, HTML, CSS, Heroku*   View

- Created a full-stack web app which randomly generates a Pokemon for a user to check stats about and also the ability to add them to their Pokedex.
- Integrated React Router to create Pokemon and Pokedex pages as well as an Express server to develop a REST API that stores/recommends different types of Pokemon.
- Utilized MongoDB to store random Pokemon and their stats from PokeAPI and gets recommended to the user in a clean front-end interface.

Reduction | *JavaScript, HTML, CSS*   View

- Programmed a chrome extension that provides an aesthetically pleasing browsing experience with beautiful images, motivational quotes, and more.
- Incorporated the Unsplash API, Quotable API, Darksky API, and parsed/displayed the information to the user in a prettified manner.
- Successfully deployed the extension onto the Chrome Web Store where it now has a 5 star review with 10+ users.

GoChat | *JavaScript, Node.js, Express.js, Socket.io, HTML, CSS, Heroku*   View

- Developed a real time chat application using Socket.io which provides a low-overhead communication channel between the server and the client.
- Initiated an Express server to assist in deploying the web app onto Heroku where multiple users can connect using one URL.

Extra-Curricular & Awards

Guelph Coding Club   Guelph, ON
Member   September 2021 - Present

- Participating in different coding challenges to further polish technical skills.
- Attending talks/discussions related to programming technologies and practices.

Scholarship   Guelph, ON
                                                        September 2020
$3500 entrance scholarship to the University of Guelph for an 89% admission average