

Jaiveer Singh

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EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Lassonde School Of Engineering - YORK UNIVERSITY, TORONTO ON

PROJECTS

FULL STACK E-COMMERCE WEBSITE

Deployment: bit.ly/store

Source Code : github.com/jaiveers/shop

- Designed and implemented the front-end using ReactJS and Tailwind CSS, ensuring a responsive and user-friendly interface.
- Developed the back-end using the Spring framework, following best practices for modular and scalable code.
- Integrated JWTs for user authentication and authorization, securing sensitive user information and ensuring a secure login experience.
- Implemented a RESTful API, providing well-designed endpoints for the front-end to interact with the back-end.
- Implemented CRUD operations for managing products, orders, and user profiles, enabling functionalities such as adding, updating, and deleting products, placing orders, and managing user information.
- Utilized a MySQL database to store and retrieve product information, order details, and user data.

SMART EMPLOYEE MANAGEMENT SYSTEM

Deployment: bit.ly/sems

Source Code : github.com/jaiveers/sems

- Collaborated with a team of 5 developers to plan and execute the development of a smart employee management system.
- Organized regular team meetings, facilitating effective communication and coordination among team members.
- Assisted in developing project plans, setting milestones, and ensuring timely completion of deliverables.
- Designed the system architecture using a 3-Tier, MVC, and SOA approach, ensuring scalability, modularity, and maintainability.
- Prepared comprehensive documentation in the form of UML diagrams, including use cases, sequence diagrams, class diagrams, component diagrams, and deployment diagrams.
- Created a prototype of the system to showcase its core functionalities and user experience.

BLUE COLLAR REACT APP

Deployment: bit.ly/blue-collar

Source Code : github.com/jaiveerS/react-app

- Collaborated with the blue-collar business to understand their requirements and objectives for the website.
- Designed and developed a user-friendly React application, showcasing the business's information and services in a visually appealing manner.
- Implemented a contact form using (EmailJs), allowing users to submit their contact information directly on the website.
- Ensured a responsive design, allowing the application to adapt to different screen sizes and devices.
- Deployed the React application to a (Virtual Machine and used Nginx), making it accessible to users online.

RANSOMWARE AGENT

Source Code : github.com/jaiveerS

- Developed a ransomware agent with the ability to encrypt and decrypt any given file or folder.
- Worked in an Group of 5 to implement different asymmetric and symmetric cryptographic algorithms (XOR, AES, RC4, RSA and ECC).

SKILLS

PROGRAMMING

SOFTWARE SKILLS

Java • SQL • Javascript • React • C • C# • Python • Spring boot • HTML • CSS • Bash • Git • nginx • Linux