SUNPREET SANDHU

(647) 921 4985

sunpreetsandhu2002@gmail.com ◇ Portfolio ◇ GitHub

EDUCATION

BSc, Hons. Computer Science, York University ⟶ Expected 2025

Relevant Coursework: Software Design, Fundamentals of Data Structures, Design and Analysis of Algorithms, Advanced Object Oriented Programming, Introduction to Database Systems, User Interfaces, Software Tools

SKILLS

Programming Languages	Java, JavaScript, SQL — Familiar With: Python, C
Technologies	ReactJS, React Router, Redux, SpringBoot, MySQL, PostgreSQL, Supabase, NodeJS, HTML, CSS, Styled Components, Tailwind
Tools	Git, Visual Studio Code, Eclipse, Android Studio, Heroku, Netlify

EXPERIENCE

Application Developer ⟶ May 2023 - Sep 2023
CIBC ⟶ *Toronto, ON*

- Developed a user authentication system for a CIBC front-end commercial client application using Spring Boot and React
- Stored and retrieved user records in a MySQL database ensuring data integrity
- Led to secure application access, safeguarding user information from unauthorized access
- Assisted in application testing using tools such as LoadRunner and PostMan
- Collaborated with developers to design, implement, and test application features, ensuring a great user experience, quality code, and robust functionality of the application

PROJECTS

Canadian Housing Price Statistics and Forecasting Application

- Developed a Canadian housing price forecasting tool using Java Swing library
- Successfully retrieved data from Statistics Canada and stored it on a local MySQL database while employing SQL queries to manipulate and analyze the data
- Allowed users to select different geographical parameters along with a specified time period to visualize housing price data while leveraging the JFreeChart library
- Provided an analysis of the user's selected city and time period with various charts and statistics
- Employed the Weka machine learning library, leveraging a diverse range of machine learning algorithms to accurately forecast the housing price

Face Recognition Application

- Built a full-stack face recognition application hosted on Heroku utilizing React
- Users are able to register, sign in and submit images for face detection
- Created a server using NodeJS with routing and a functioning PostgreSQL database to store user information
- Leveraged the Clarifai API for face detection
- Securely stored user information, including hashed passwords by utilizing the Bcrypt library

Personal Training Management Application

- Developed a full-stack personal training management application using React
- Users of the application are personal trainers and can log in to the application to perform tasks such as updating, deleting, or creating new training programs for clients
- The application includes statistical views such as recent bookings, sales and enrollments into programs on a dashboard screen
- Utilized Supabase for secure data storage