Viki Makadia

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EDUCATION

Bachelor of Computer Science Honors   **2018 – Present**
University of Manitoba, Winnipeg, MB | Expected: May 2023

WORK EXPERIENCE

Junior Data Analyst | Govt. Of Manitoba, Winnipeg, MB.   **Oct. '21 - Present**

- Developing full-stack web applications using **HTML/CSS, JavaScript** and **R Shiny** for interactive data analysis and visualization. Along with generating epidemiological outbreak reports using **R** and **SAS** for decision-making.
- Using SQL to query schema and shape query data to the required format for various libraries in **R**. Implementing, maintaining, and optimizing code written in **R** and **SAS** for efficient data processing and analysis.
- Producing graphic data visualizations using **R** and **Python** to effectively communicate complex data.
- Automated daily epidemiological outbreak reports using **R** and **PowerShell script** for streamlined report generation and distribution, reducing 25% work time for the team every day.
- Utilizing version control to ensure efficient and collaborative software development.

PROJECTS

E-Book-Hub | github.com/Viki4325/E-Book-Hub   **Jan. '22 – Jun. '22**

- Developed the application using **React** to create a dynamic, enhanced, and responsive user interface.
- Designed and implemented the back-end of the application using **Node.js** and **MongoDB**, ensuring optimal performance and scalability.
- Implemented user authentication and authorization to ensure data security and privacy.
- Integrated secure payment processing functionality using **Stripe API** to allow users to purchase e-books seamlessly.
- Leveraged containerization with **Docker** to streamline deployment and enhance application portability,

ForTenants - Android app| github.com/Viki4325/ForTenants-App   **Dec. '20 - Jan.'21**

- Application developed with **Android studio** for maintenance requests and bill management.
- Implemented user authentication and registration features.
- Designed and developed the back-end using **Java** and wrote unit tests using **JUnit** to test back-end and espresso for front-end.
- Implemented robust data storage and retrieval functionalities using **Firebase** database to ensure optimal performance and scalability.
- Maintained application with GitHub to ensure efficient software development.

Tenants Databases Management System (DBMS)| github.com/Viki4325/TDMS **Mar. '20 - May.'20**

- Developed a DBMS application using **Python** and **SQLite3** to track tenant information and replace manual record-keeping in a previous workplace.
- Improved tenant information management by implementing a digital database solution, reducing errors, and increasing efficiency.

OTHER WORK EXPERIENCE(S)

Front Desk Receptionist | Curb To Curb, Winnipeg, MB.   **Dec. '21 – Oct. '21**

- Welcomed guests upon entry to the building assisted with check in and check out.
- Answering phones, booking reservations, responding to emails and electronic reservations.
- Quickly and effectively solving customer challenges and constantly finding new ways to exceed customer expectations.