DENORJHAN BALENDRA

SOFTWARE ENGINEER

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SKILLS

Programming Languages:

- Python
- Java
- C
- SQL
- MATLAB
- HTML
- JavaScript
- CSS
- Bash

Frameworks & Tools:

- Git
- NumPy
- PyTest
- Pandas
- Seaborn
- TensorFlow
- React
- NodeJS
- MySQL
- Jira

Operating Systems:

- Windows
- Linux
- OSX

EXPERIENCE

Tamil One TV   **Sept 2020 – Present**

Full Stack Software Engineer

- Reduced manual analysis by 100% through the integration of curated views via an ETL composed of Python Pandas and Seaborn in order for the Management Team to make well informed decisions based historical data.
- Created and implemented a ticketing system to handle the problems/requests the ground crew face when the company is setting up live concerts.
  - Average concert setup time was reduced by 17% after implementing a ticketing system

Tangerine Bank   **May 2020 – Aug 2020**

Software Engineering Intern

- Implemented an AI chatbot using C for online banking clients to reduce the workload of the call centre team by up to 25%.
- Leveraged automation testing through HTML and Java to test the chatbot's use cases to identify any bugs.
- Worked in an Agile team that used Jira to track the progress of sprints.

PROJECTS

Algorithim Visualizer

- Implemented multiple pathfinding algorithms and a visual component to see how each algorithm works in real-time.
- Implemented recursive and non-recursive sorting algorithms with a comparison feature that allows two algorithms to be compared to each other.
- Created a number guessing game that uses binary search to predict the number the user is thinking of.

EDUCATION

B.Eng. Software Engineering, McMaster University   **Sept 2018 – Apr 2022**

Relevant Courses:

- Concurrent Systems Design
- Data Structures & Algorithms
- Database Design
- Discrete Mathematics
- Principles of Programming I & II