

Jinil Panawala

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Summary of Qualifications

Languages

- Experienced in Python, Bash, C/C++, C#, Java, JavaScript, HTML, CSS, SQL, and Racket.

Technologies, Libraries, and Frameworks

- Linux, Bash, Git, Talend, React, Tailwind, Zsh, shell scripting, Hadoop, Tkinter/CustomTkinter, VS Code, Eclipse, and MS Office Suite.

Certifications

- AWS Certified Cloud Practitioner

Work Experience

Tech Mahindra

Toronto, ON

Jr. Software Engineer

May 2023 – Aug 2023

- Created **Talend** jobs in Talend Open Studio for Data Integration to validate files as part of a migration project for a client in the BFSI industry.
- Implemented custom **Java** code in Talend jobs for complex tasks that could not be easily done with Talend components.
- Participated in the **SDLC** while following **Agile** and **SCRUM** methodologies and collaborated with my team during daily progress update and design meetings.
- Gained knowledge and exposure to **ETL** patterns, data warehousing concepts, as well as big data concepts and technologies (i.e., Apache Hadoop).

Projects

Personal Portfolio Website || React, Tailwind CSS, Git, Netlify

- Developed a responsive, optimized (mobile and desktop), and user-friendly personal portfolio website from scratch using **React** and **Tailwind CSS** to showcase my projects and experience.
- Incorporated the use of **Git** for version control to ensure efficient project management and deployed the website on **Netlify** for continuous deployment.

Twitter Sentiment Bot || Python, Twitter API, TextBlob

- Developed a Twitter bot in **Python** that can tweet, follow, like tweets and conduct sentiment analysis using the **Twitter API**.
- Implemented functions that carry out common natural language processing (**NLP**) tasks such as conducting sentiment analysis of tweets with up to **70%** accuracy.
- Utilized the **TextBlob** library to analyze the polarity and subjectivity of a tweet when conducting sentiment analysis.
- Incorporated the ability to export tweets and their sentiment analysis in a **CSV** file for future work and analysis.

Weather App || Python, CustomTkinter

- Developed a desktop application allowing users to search weather data (i.e., current weather, hourly forecast, daily forecast) for any inputted city in the world using **Python**.
- Designed a modern and customizable GUI using the **CustomTkinter** library to display weather information to the user.
- Incorporated the use of an **API** (from [weatherapi.com](https://openweathermap.org/api)) to retrieve relevant weather-related information and parsed the **JSON** data for the application.

Transaction Tracker || Python, gspread, Zsh shell scripting

- Developed a **Python** program that categorizes up to **10** unique types of transactions and lists all monthly bank account transactions in a google sheet to track income and expenses for personal finance and budgeting purposes.
- Incorporated the use of **gspread** (Python API) to write out each transaction from the given bank **CSV** file into the appropriate spreadsheet as well as categorizing certain reoccurring transactions.
- Automated the process by creating a **Zsh shell script** to allow the program to run directly from the command line interface, thus improving program ease of use.

Education

University of Waterloo

Waterloo, ON

Candidate for Bachelor of Computer Science (BCS)

Present – Apr 2027

- Relevant Courses: Computer Organization and Design, Designing Functional Programs, Elementary Algorithm Design and Data Abstraction, Object-Oriented Software Development, Tools and Technology for Software Development.