

# Jinil Panawala

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## Technical Skills

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### Languages:

- Python, Bash, C/C++, C#, Java, JavaScript, HTML, CSS, and SQL

### Libraries and Frameworks:

- React, Tailwind, Tkinter/CustomTkinter, and JUnit

### Tools and Technologies:

- Linux, Git, AWS, GDB, Talend, Zsh, shell scripting, Hadoop, VS Code, Eclipse, and MS Office Suite

### Certifications:

- AWS Certified Cloud Practitioner

## Work Experience

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### 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

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### 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

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### 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.