WALI TEMURI

PORTFOLIO WEBSITE

- https://www.walitemuri.com

GITHUB

- https://github.com/walitemuri

EDUCATION

University of Guelph

- Bachelor of Computing in **Software Engineering**
- *September 2021 - May 2026 (Expected)*

SKILLS

- Web Applications
- **API Design**
- Agile, Waterfall Development
- **Git VC**: Gitlab, Github
- **PostgreSQL, SQLite, MongoDB**
- Web Frameworks: FastAPI, Flask
- HTML/CSS/JS, ReactJSX
- **DevOps**: Docker, Heroku
- Object Oriented Programming
- **Languages**: C, Python, Java
- Testing: JUnit, PyTest, white box and black box testing
- OS: Windows, MacOS, Linux

ACADEMIC COURSES

- **CIS*3490 Algorithms**
- **CIS*2520 Data Structures**
- CIS*2430 Object Oriented Prog.
- CIS*3110 Operating Systems
- **CIS*3250 Software Design III**
- CIS*2750 Software Dev/Integration
- STATS*2040 Statistics I

CONTACT INFORMATION

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PERSONAL AND ACADEMIC PROJECTS

RESTful Blog API - Python, FastAPI, SQLAlchemy
August 2022 - September 2022

- Utilized **FastAPI**, a modern web framework for building APIs with **Python 3.7+**.
- **SQLAlchemy was** used for ORM and **PostgreSQL** for database.
- The **Pydantic** library was used for schema design and validation.
- Implemented user authentication (Oauth2) using **JSON Web Tokens** to secure **API** endpoints.
- The application was deployed on Heroku (PaaS), using GitHub for version control.

Personal Portfolio Website - React, HTML/CSS
December 2021 - January 2022

- Developed a personal portfolio page using **React JSX** and **JavaScript**.
- Implemented dynamic arrays and component state to create a responsive, user-friendly navigation bar and dynamically update projects on display.
- Incorporated advanced **CSS** animations, pagination.
- Media Queries to create responsive, clean and modern design.
- **EmailJS** service in order to send emails directly from the contact form.

COVID-19 Regional Data Analysis - Python, Pandas, Matplotlib
December 2021 - January 2022

- Employed **Python** libraries such as **Seaborn**, **Pandas** and **Matplotlib** to perform data analysis on datasets obtained from the Government of Ontario website.
- Implemented data cleaning and preprocessing techniques to prepare the datasets for analysis.
- Plotted various correlations between vaccination status and **KPIs** using **Matplotlib**
- Conducted statistical analysis and hypothesis testing to identify significant correlations and trends in the data.

A* Pathfinding Algorithm - Python , PyGame
September 2022 - October 2022

- A* Pathfinding with the ability to add walls, using manhattan distance as the heuristic