Lutendo George Maphala

📞 071 270 5587 | @ maphalagl@gmail.com | Website | ⓖGitHub | 🔗linkedin

EDUCATION

Richfield Graduate Institute of Technology	**Feb. 2021 – Dec.2023**
Bachelor of Science in Information Technology	*Pretoria, South Africa*
Rosebank College	**Feb.2019 – Dec.2020**
Diploma in Accounting and Financial Computing	*Pretoria, South Africa*
Sinthumule Secondary School	**Jan.2018 – Dec.2018**
Commercial Subjects (Grade 12)	*Makhado, South Africa*

SKILLS SUMMARY

- **Languages:** Python, JavaScript, HTML, CSS
- **Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Beautiful Soup, Selenium, Plotly
- **Frameworks**: REST API, Flask, Bootstrap
- **Databases:** SQL, SQLite, SQL Alchemy
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code
- **Tools:** Git, GitHub

PROJECTS

FlaskBlogr | *Python, Flask, HTML, CSS, Bootstrap, SQL Alchemy*| **LINK**   **June 2024**

- Developed a Flask web application for a blog with user registration, login/logout functionality using Flask-Login, and user authentication with password hashing.
- Integrated SQLAlchemy for database management, allowing for the creation, editing, and deletion of blog posts, each associated with authors and comments.
- Used Flask-CKEditor to enable rich text editing capabilities for blog posts, enhancing the user experience with formatted content creation.

SA -provinces-guessing-game | *Python, Turtle Graphics, Pandas*| **LINK**   **June 2024**

- Developed a Python game using Turtle graphics where players guess South African provinces displayed on a map. This interactive approach helps users learn geography in a fun way.

- Implemented a timer that counts down from 60 seconds, encouraging players to guess as many provinces as possible within the time limit. Progress is visually tracked on the screen.

- Provided immediate feedback on correct and incorrect guesses, displaying guessed provinces on the map with randomized colors. Upon completing the game, congratulatory messages and visual cues signify the end, highlighting unguessed provinces for further learning.

CERTIFICATES

100 Days of Code the Complete Python Pro Bootcamp (Udemy) | CERTIFICATE   **June 2024**

- Mastered Python fundamentals including OOP, file handling, and using external libraries.
- Applied Python skills to develop web applications with Flask, create REST APIs, and implement front-end basics (HTML, CSS, Bootstrap).
- Gained proficiency in data manipulation with Pandas and NumPy, mastered data visualization with Matplotlib, Seaborn, and Plotly, and acquired database management skills with SQL. Additionally, developed expertise in web scraping using Beautiful Soup and Selenium WebDriver for data extraction from websites.