Bonisiwe Mdletshe

Sofware Developer Graduate

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bonisiwe-portfolio • LinkedIn

Summary

Computer Science honours student at the University of the Witwatersrand (Wits) with strong skills in software development, mobile app creation, and data analysis. Passionate about solving real-world problems through technology. Eager to apply technical expertise and grow in a dynamic development environment.

SKILLS

Programming Languages: Python • JAVA • JavaScript • C++ • Dart

Databases: MongoDB • MySQL • PostgreSQL • Firebase

Frameworks And Libraries: React • Tailwind • Flutter • PostMan • API Integration • WordPress

Artificial Intelligence: Natural language processing • Machine learning • Robotics

Soft Skills: Collaborative Teamwork • Problem-solving • Communication • Mathematical reasoning

Projects

Witly App

Developed an Android app using Android Studio - Java, and Firebase Realtime Database. The app allows users to ask questions, provide answers, and vote for the best responses. Features include a dynamic feed showcasing recent and popular discussions. Link

Urban Mobility Analysis using NYC Taxi Data

Collaborated with a team to Conduct an in-depth analysis of NYC taxi data to uncover urban mobility patterns. We used Python, Pandas, NumPy, Seaborn, Scikit-learn, DBSCAN, Matplotlib, GeoPandas. Link

Movie Project

Built a movie recommendation app using Flutter, integrating a third-party API to fetch and display suggested movies. Implemented dynamic UI, search functionality, and real-time updates to deliver a smooth and personalized user experience in movie discovery. Link

Game Project - Wheely surfer

Developed a 3D endless runner game using Three.js and JavaScript, inspired by Subway Surfers. Implemented a rolling wheel character that navigates a dynamic road, collects coins, and avoids obstacles, demonstrating skills in WebGL, collision detection, animation, and interactive game design. Link

Beauty Products Sharing App

Developed a Flutter app for recommending beauty products by skin type, using Firebase for real-time database management. Users can post and share product suggestions, with features like authentication, skin-type filtering to enhance personalized skincare discovery. Link

Education

University of the Witwatersrand
Johannesburg, South Africa

Bachelor of Science (Honours) in Computer Science
12/2025

- Status : In progress
- Relevant Coursework: Machine Learning, Natural Language Processing, Robotics

University of the Witwatersrand
Johannesburg, South Africa

Bachelor of Science (BSc.) in Computer Science
12/2022

- Status : Completed
- Relevant Coursework: Machine Learning, Mobile App Development