

Sibongokuhle Nokulunga Bembe

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Professional Summary

A motivated and detail-oriented Computer Science candidate with hands-on experience in web development, data transformation, and cloud computing. Skilled in building responsive web applications and developing interactive dashboards using Power BI. Passionate about solving real-world problems through technology and eager to contribute to collaborative, fast-paced development teams.

Experience

Netcampus | Centurion, Pretoria

November 2024- January 2025

Data Science intern

- Learned data transformation techniques using Power BI Desktop and Power Query to clean and prepare datasets.
- Created interactive Power BI reports with slicers, charts, and filters to visualize business and survey data.
- Completed Microsoft AZ-900 certification, gaining foundational knowledge of Azure services, storage, and cloud infrastructure.
- Gained introductory experience with Python, exploring basic syntax and data handling concepts.

Umuzi bootcamp | remote

November 2023- December 2023

Web Development trainee

- Built multiple responsive web applications using HTML, CSS, and JavaScript.
- Practiced agile teamwork and source control through Git and GitHub.
- Completed tasks simulating real-world web development sprints.

Skills Summary

- Languages: Java, Python, JavaScript, Kotlin, SQL, PL/SQL.
- Frameworks: Flask, Django, JEE, JPA.
- Platforms/tools: VS code, NetBeans, Sublime text, Android studios, PgAdmin, Git, GitHub, Figma, Glassfish.
- Databases: Java DB, PostgreSQL.
- Soft skills: Problem-Solving, Teamwork, Communication, Adaptability, Time Management, Critical Thinking.

Education

Tshwane University of Technology

February 2022- current

Diploma in Computer Science

- Successfully completed all academic coursework with strong performance in software development, databases, and data structures.
- Graduation pending completion of a 6-month Work Integrated Learning (WIL) placement
- **Relevant coursework:** Web Development, Software Engineering, Database Systems, Mobile App Development, Data Structures & Algorithms, Information Security, Operating Systems, Computing Fundamentals.

Projects

MEB Hub – Campus Navigation, Events & Transport Platform (Group Project)

- Collaborated on a web application designed to assist university students with navigating campus life.
- Enabled students to locate campus facilities, view event schedules, and access bus routes and transport timetables across multiple campuses
- Contributed to frontend development using HTML, CSS, and JavaScript, built backend functionality using Django, with data stored and managed via PostgreSQL

Apply Smart – APS Calculator & University Program Matcher

- Developed a responsive web application to help South African high school students calculate their APS and discover eligible university programs
- Used Python (Flask) with WTForms for dynamic form handling and APS logic based on user-submitted subject marks
- Implemented JavaScript, HTML, and CSS to create a clean, mobile-friendly user interface
- Provided real-time feedback on course eligibility based on university-specific thresholds

Power BI Dashboard – Mental Health in Tech Industry

- Designed a 3-page interactive dashboard analyzing mental health survey data from tech professionals
- Transformed and cleaned raw CSV data using Power Query in Power BI Desktop
- Created visuals including column charts, pie charts, and stacked bar charts to present key insights
- Added dynamic slicers for gender and age group, enabling users to filter and compare perspectives
- Focused on clear storytelling, demographic analysis, and workplace support trends using a structured layout

Certifications

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| Microsoft Azure Fundamentals (AZ-900) Microsoft | January 2025 |
| Data Science Learnership Certificate Netcampus | January 2025 |