

Isaac Mhlanga

3RD YEAR STUDENT (UNIVERSITY OF JOHANNESBURG)

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Summary

As a third-year student in Mathematics and Computer Sciences at the University of Johannesburg, with only one module remaining in the second semester, I am eager to leverage my academic background and practical experience. I am actively seeking opportunities within prestigious internships or learnerships to advance my skills and career development.

Experience

University of Johannesburg | IT Technical Support (ICS)

08/ 03 / 2023 – 30 / 11 / 2023

- Installed computer hardware, ensuring compliance with supplier warranty.
- Completed asset control forms to maintain an updated asset register.
- Installed computer software to cater to user requirements.
- Configured desktop applications for optimal performance and user satisfaction.
- Installed and configured network printers in the laboratories, ensuring smooth service for users.
- Troubleshoot and reported on faulty computer hardware, printers and maintaining a high level of service.
- Upgraded and reset software applications to ensure continuous service availability.
- Controlled access to and usage of computer laboratories.
- Provided desktop hardware support to students, addressing their technical needs.
- Assisted students with basic desktop software usage and printing requirements.
- Offered basic support on the Blackboard application to enhance student experience.

Education

University Of Johannesburg | Bachelor of Science in Mathematics and Computer Science

Majors: Mathematics and Computer Science

Stream: Sciences

Subjects: Mathematics, Physics and Accounting

Skills & abilities

Proficient in:

- HTML5
- CSS 3.
- JavaScript.
- SQL for data manipulation and querying.
- PowerBI for data visualization.
- Python for data analysis.
- Exploratory data analysis.
- Information technology
- MS office Suite (Word, Excel, PowerPoint, Outlook)

- I have intermediate proficiency in Java.
- I have intermediate proficiency in React.js.
- I excel in analyzing and interpreting data.
- I am familiar with data warehousing concepts.

Behavioral competencies

- I communicate complex ideas clearly and concisely.
- I effectively manage time.
- I pay close attention to details.
- I am assertive and self-motivated.
- I exhibit strong problem-solving and critical thinking skills.
- I exhibit strong analytical skills.
- I can work independently.
- I am a team player.
- I am enthusiastic.

Personal projects

Sales analysis | SQL workbench, PowerBI

This project aimed to analyze the sales of a supermarket company recorded across three branches A, B, and C in highly populated cities. The dataset spans three months, from January 2019 to March 2019, and includes attributes such as branch location, customer type, product line, purchase details, and customer satisfaction ratings. The aim is to gain actionable insights to enhance business performance and competitiveness in a dynamic market landscape.

Titanic survival analysis | Python [NumPy, Pandas, Seaborn etc.]

The project aimed to analyze the Titanic data to understand survival factors: passenger class impact, gender distribution among survivors, non-survivor distribution with relatives, and survival rates across age groups.

Predictive analysis | Python [EDA]

The objective of this project is to automate the loan eligibility process by leveraging customer data. With access to a partial dataset, the aim is to identify specific segments of customers who are eligible for loans, thereby facilitating targeted loan approvals. By analyzing customer details, the project seeks to enhance efficiency and precision in the loan approval process, ultimately streamlining operations and improving the accuracy of lending decisions.

Portfolio website

The details of the above projects can be accessed on my portfolio website: <https://isaacmhlanga.live>

References

Mr. Rest Mabunda from University of Johannesburg
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