NNDAMULELE CASPER TSHIPAPA

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OBJECTIVE

Final year student in BCom in Information Systems at the University of Johannesburg, passionate about software development. Seeking an internship position to leverage technical skills and collaborate on innovative projects, with a long-term goal of contributing to scalable and user-friendly mobile applications.

EDUCATION

BCom in Information Systems

University of Johannesburg, Expected Graduation: April 2025

- **Relevant coursework:** Data structures and algorithms, Object Oriented programming, Data Analytics,

PROJECTS

University Student and Admin login system second year project
University of Johannesburg
June 2023

- Developed a university login system using C# and Microsoft SQL Server as our database management system, in our second-year project.
- Collaborated with a team of 6 students to improve the system's performance.
- Conducted User-testing and implemented feedback.

SpillAged – A water leakage reporting app
University of Johannesburg
2024

- Developed a water leakage reporting app that will help the government track where water is being wasted via leakages around the city to solve the problem of water shortages. Flutter was used for the mobile (Android) application, React was used for the admin dashboard (Web App) and Firebase was used as the central cloud database.
- Collaborated with a team of 6 students to improve the system's performance.
- Conducted User-testing and implemented feedback

SKILLS

- **Technical Skills:**

  - o **Programming Languages:** Dart, C#, Python
  - o **Frameworks:** Flutter
  - o **Tools:** Git
  - o **Databases:** Microsoft SQL Server, Firebase

- **Soft skills:**

  - o **Problem-solving:** applied through debugging and optimizing a university login system, which led to a more efficient and secure application.
  - o **Teamwork:** worked effectively in a group of 6 students, using agile methodologies to ensure that the project milestones were met.
  - o **Communication:** Regularly presented progress updates and technical challenges to tutors and lecturers, fostering clear and productive discussions.
  - o **Adaptability:** Quickly adapted to new programming languages and frameworks, such as mastering Dart and Flutter within a short timeframe for a final-year project.

CERTIFICATIONS

Johannesburg Business School
Programming & Grit – November 2023

- Completed an intensive program focused on program-solving, algorithms, and introductory programming with Python