

MAKUNGU NDLOVU

Johannesburg, 2006 | +27714698301 | makungumixo@gmail.com

Summary

A resilient and determined scholar with a BSc in Mathematical Sciences (Mathematics & Computer Science), complemented by a BSc Honours in Computer Science. Throughout my academic journey, I have acquired diverse skills beyond the core curriculum, making me adaptable to various roles across multiple industries. My ability to perform well under pressure while delivering results has been tested and strengthened through a demanding education system. Challenges do not deter me; I approach them with relentless dedication and a problem-solving mindset. Driven by a passion for technological innovation, I continuously pursue learning opportunities to stay ahead of emerging trends. My analytical thinking, problem-solving, and research strengths enable me to develop and implement effective, data-driven solutions. I am dedicated to contributing meaningfully to transformative projects that leverage the power of technology. I eagerly seize every opportunity to learn, keeping myself ahead of emerging trends and developments in this ever-evolving world. With a strong work ethic and an unwavering drive for success, I am committed to making a meaningful impact through technology-driven solutions.

Key Competencies

- **Communication:** I possess robust oral and written communication skills, enabling me to articulate ideas and engage in open-minded discussions effectively. Fluent and proficient in English, and Xitsonga which is my native language.
 - **Problem-Solving:** I excel at applying critical thinking to solve intricate problems, particularly in the Mathematics and Computer Science domains. These fields demand advanced problem-solving skills, and I consistently demonstrated the ability to approach challenges creatively.
 - **Planning & Time Management:** With proven time management skills, I thrive in handling tight assignment deadlines. Through effective planning and efficient time management, I consistently deliver successful outcomes.
 - **Organizational:** Highly organized, which has been instrumental in managing the pressure through my academic journey. This skill enables me to maintain structure, stay focused, and efficiently handle various tasks and commitments.
 - **Analytical:** I have demonstrated a capacity for in-depth data and information analysis. My degree in Mathematics has equipped me with practical analytic skills, refining my ability to apply mathematical methodologies for meaningful insights.
- By leveraging my strong communication skills, problem-solving abilities, organizational aptitude, and analytical mindset, I am well-prepared to contribute and thrive in a dynamic environment that values collaboration, innovation, and continuous improvement.

Technical Competencies

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| <ul style="list-style-type: none">• Advanced Excel; Advanced Formulas & Functions, Pivot Tables, PowerPivot and Excel Data Models; Advanced Word; Advanced PowerPoint.• C++, Java, Python, R, SQL, C, Visual Basic, Assembly, PHP, HTML, CSS and JavaScript.• Research Methodologies & Academic Writing• Analytical and critical thinking• Artificial Intelligence• Natural Language Processing (NLP) | <ul style="list-style-type: none">• Machine Learning Models & Evaluation• Mathematics• Data Structures & Algorithms• Software Architecture & Design Patterns• Agile & Scrum Development Methodologies• Data Mining & Data Analysis |
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Education

BSc Hons: Computer Science University of Pretoria	2024 Pretoria, GP
Bachelor of Science: Mathematical Sciences (Mathematics and Computer Science) University of Johannesburg	2023 Johannesburg, GP
National Senior Certificate Malenga High School	2015 Giyani, LP

Accomplishments

- Certificate of Recognition: Top 3 Matric Learners at Shamavunga Circuit, Limpopo(2015).
- Top Matric Learner in Mathematics at Shamavunga Circuit with a final mark of 87%.
- Deputy President of the Representative Council of Learners(RCL) in the School Governing Body(2014).
- Team Leader of EWB (Engineers Without Borders) for a community project(2017).

Extra-Curricular Development

- Coursera: Introduction to Data Science in Python
- Coursera: Introduction to Data Analysis using Microsoft Excel
- www.linkedin.com/in/makungumixo
- www.github.com/makungumixo

Driving Licence

Driving Licence: Code 10 (2016)

References

- Dr. G Braatvedt

Senior Lecturer: Department of Mathematics and Applied Mathematics

University of Johannesburg (APK Campus)

email: gabraatvedt@uj.ac.za

- Mr. R.S Rikhotso

Principal: Malenga High School

email: malengahigh@yahoo.com

- Mrs. S Rananga

Research Supervisor: Department of Computer Science

University of Pretoria (Hatfield)

email: seani.rananga@tuks.co.za