

ATHINI MGAGULE

Data Analysis Intern

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Extension 7, Randburg, 2189

SUMMARY

A highly motivated Computer Science graduate with a passion for data analysis, problem-solving, and software development. Strong analytical skills with experience in SQL, data visualization, and structured data management. Adept at working with large datasets, interpreting data patterns, and developing structured solutions. Proactive team player with a keen interest in applying technical and analytical abilities to drive business intelligence and decision-making.

EDUCATION

BSc in Computer Science and Mathematics

University of Witwatersrand

02/2022 - 11/2024 Braamfontein, Johannesburg

- Graduated (11/2024) | Final GPA : 70%
- Relevant Coursework: Data Structures, Algorithms, Database Fundamentals, Software Design, Cryptography, Analysis, Statistics, Information Systems

National Senior Certificate

Leap Science and Maths School

01/2017 - 11/2021 Diepsloot, Randburg

- Graduated(11/2021) | Final Grade : 89%
- Relevant Coursework: Mathematics, Accounting, Physical Science, Life Science

EXPERIENCE

Exam Invigilator

University of Witwatersrand

02/2024 - 11/2024 Braamfontein, Johannesburg

- Monitored exam environments, ensuring 100% adherence to academic integrity policies
- Ensured compliance with university regulations and addressed concerns from 10+ students per exam session

Self-Employed

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03/2020 - present Diepsloot, Randburg

- Manage hairdressing business finances, scheduling, and customer service, increasing profit margins by 15% annually and a 30% improvement in customer retention through enhanced service strategies

PROJECTS

KasiKotas

01/2025 - present Diesploit, Randburg

- Web application that helps users discover best kota spots around Diepsloot, explore menus, and conveniently place orders for self-pickup, increasing vendor visibility by 30% and improving order efficiency by reducing wait times by 40%
- Integrating an anonymous feedback system aimed at increasing vendor sales by 5% through service improvements

Secure Shellbox Chat

01/2025 - present Diepsloot, Randburg

- Developing a real-time secure chat application using Java with a focus on encryption and user authentication with a target of handling 1000+ secure messages per second
- Implementing AES-256 encryption, to ensure 100% privacy and data security

FundX

03/2024 - 05/2024 Braamfontein, Johannesburg

- Led the development of a web-based application optimizing the management of funding opportunities, streamlining application processing by 40%
- Designed and implemented a SQLite database for efficient data storage and retrieval, improving data retrieval efficiency by 25%
- Created dynamic visual charts to represent daily statistical data reducing data analysis time by 35%
- Acted as Scrum Leader, increasing productivity by 10% through structured Agile methodologies

FIND ME ONLINE



LinkedIn

<https://linkedin.com/in/athini-mgagule-8b8b362b2>



GitHub

<https://github.com/AthiniMgagule>



Portfolio

<https://athinimagule.netlify.app>



Facebook

<https://www.facebook.com/share/1YUEMLGcqE/>

SKILLS

- Programming : Python, Java, C++, C, C#, LUA
- Web Technologies: HTML, CSS, JavaScript, Node.js, Express.js, REST APIs
- Databases: SQL (MySQL, SQLite)
- Soft Skills: Analytical thinking, creative thinking, attention to detail, problem-solving, adaptability, time management, team player, eagerness to learn, integrity, innovation, customer service

INTERESTS AND HOBBIES

- ✓ Data Analysis
- ✓ Cryptography
- ✓ Creative Writing
- ✓ Reading
- ✓ Entrepreneurship
- ✓ Learning French

CERTIFICATION/TRAINING

Data Science and Analytics Certificate of Completion

HP LIFE

01/2025 Online

- Learned how businesses are using data science and analytics for innovation, decision-making, product development, and building stronger customer relationships

LANGUAGES

English

Proficient

IsiXhosa

Native

IsiZulu

Proficient

French

Beginner