

# Mabutsi Kgaogelo Kgagara

Junior Software Developer | Python Developer | Data Analyst

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Portfolio: kgaogelo02.github.io/Mabutsi-Kgaogelo | GitHub: github.com/Kgaogelo02 | LinkedIn: linkedin.com/in/mabutsi-kgaogelo-kgagara

## Professional Profile

Computer Science & Economics graduate from North-West University combining software engineering skills with analytical thinking to build practical, data-driven solutions. Experienced in developing full-stack applications, dashboards, and database systems using Python, Java, SQL, and JavaScript. Actively seeking graduate programmes, internships, or junior developer roles.

## Technical Skills

- 1 Programming: Java, Python, JavaScript, SQL, C++
- 2 Web Development: HTML, CSS, Responsive Design, REST APIs
- 3 Data & Analytics: Power BI, Pandas, NumPy, Data Visualisation, EViews
- 4 Software Development: OOP, Algorithms, Debugging, Application Architecture
- 5 Databases: SQLite, MySQL, Relational Database Design
- 6 Tools: Git, GitHub, Linux (Basic), VS Code, Streamlit, Flask

## Education

Bachelor of Science: Computer Science & Economics — North-West University (2022–2024)

Key Modules: Data Structures & Algorithms, Database Systems, Software Engineering, Econometrics & Statistics, Information Systems

## Projects Portfolio

- 1 Online Fitness Club Management System — Python, Flask, SQLite: Full-stack CRUD web application managing members and payments.
- 2 Desktop Booking Management System — Java, JavaFX, SQLite: GUI desktop application applying OOP principles and database integration.
- 3 Interactive Data Dashboard — Python, Streamlit, Plotly: Analytics dashboard with interactive visualisations.
- 4 Cryptocurrency Trading Algorithm — Python, Pandas: SMA crossover strategy with backtesting analytics.
- 5 Economic Indicators Visualizer — Python, Streamlit: Interactive World Bank data explorer.
- 6 Currency Converter — JavaScript, REST API: Real-time currency conversion tool.
- 7 Inventory Management Web App — HTML, CSS, JavaScript: Browser-based stock tracking system.

## Certifications (2025)

- 1 Full Stack Development — FNB App Academy
- 2 Responsive Web Design — freeCodeCamp
- 3 SQL & Relational Databases — IBM Cognitive Class
- 4 Introduction to Data Science — Cisco Networking Academy
- 5 Introduction to Cybersecurity — Cisco Networking Academy

6 Introduction to IoT — Cisco Networking Academy

7 Diploma in Cyber Security — Alison

### Professional Strengths

- 1 Problem Solving & Logical Thinking
- 2 Strong Learning Agility
- 3 Team Collaboration
- 4 Communication Skills
- 5 Creativity & Initiative
- 6 Analytical Decision Making

### Additional Information

South African Citizen | Immediately Available | Open to Johannesburg / Pretoria opportunities | Open to Remote or Hybrid Roles