

EMELY MOKGADI MACHETE

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PROFESSIONAL SUMMARY

Final-year BSc IT student at North-West University (Graduating Nov 2025), passionate about software development, cybersecurity, and systems design. Skilled in Java, Python, C#, SQL, ASP.NET. Hands-on experience in full-stack projects, networking, and database systems. Open to remote or hybrid roles in Software Dev, FinTech, HealthTech, IT Support, or Cybersecurity.

EDUCATION

BSc Information Technology | North-West University | 2022–2025

Predicted Final Mark: 70%

Key Modules: Software Engineering, Cybersecurity, Java, Python, C#, SQL, AI, Networks

National Senior Certificate | Ikageng-Barnato High School | June 2020

Top 5 Matric Learner

TECHNICAL SKILLS

Languages: Java, Python, C#, C++, HTML, CSS

Web: ASP.NET Core, JavaFX, JavaScript (Basics)

Databases: Oracle SQL, MySQL, Triggers, Procedures

Networking: VPN, VLAN, Subnetting, Routing (Cisco)

Tools: Visual Studio, GitHub, MS Project, Lucidchart

Concepts: OOP, Full-Stack Dev, Testing, Troubleshooting, System Analysis

PROJECT EXPERIENCE

- Eco Events System (Team of 4) – ASP.NET, SQL
Built secure CRUD system with dashboard, reports, and validations.
- Virtual Voting Platform (Team of 10) – JavaFX
Secure voting app with encryption, login roles, input validation.
- Logistics Database (Team of 3) – Oracle SQL
Normalized warehouse DB with triggers, views, and procedures.
- Network Design (Team of 6) – Cisco Packet Tracer
VPN, VLAN, and failover network simulation.
- Eishkom Game (Solo) – Scratch
Interactive game simulating load shedding in SA.

CERTIFICATIONS

Cyber Security Fundamentals – Chongqing University (Online)

SOFT SKILLS

Communication, Teamwork, Problem Solving, Adaptability, Time Management, Analytical Thinking

ADDITIONAL INFO

Languages: English (Advanced), Sepedi (Fluent), isiZulu (Basic)

Award: Top 5 Matric Performer (2020)

Availability: Remote/entry-level roles from Nov 2025

References: Available on request