

Kwandumusa Mthethwa

Tutor/Mentor

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[LINKEDIN](#) | [GITHUB](#)

EDUCATION

TSHWANE UNIVERSITY OF TECHNOLOGY

COMPUTER SCIENCE DIPLOMA (EXTENDED)

Percentage: 72.67%

January 2024 - Jun 2027

eMalahleni, Mpumalanga, South Africa

GUDUZA SENIOR SECONDARY SCHOOL

GRADE 12 - NATIONAL SENIOR CERTIFICATE

January 2023 - November 2023

FREECODECAMP

JAVASCRIPT ALGORITHMS & DATA STRUCTURES CERTIFICATE

April 2025 - Present

San Francisco, California (Remote)

COGNITIVE CLASS

DATA SCIENCE TOOLS CERTIFICATE

September 2025 - September 2025

Toronto, Ontario(Remote)

SKILLS

PROGRAMMING LANGUAGES

Java, JavaScript, CSS, HTML, Python

LIBRARIES/FRAMEWORKS

JavaScript

TOOLS / PLATFORMS

GitHub, VS Code, IntelliJ Idea, Eclipse IDE, Microsoft Word, Microsoft PowerPoint, Microsoft Teams

PROJECTS / OPEN-SOURCE

BANK | [LINK](#)

Java

MultiAccount Banking System (Java CLI)

Designed a command-line banking system in Java that lets users create and manage multiple accounts. Implemented secure account access via account number and PIN (with three-strike lockout), ability to switch between accounts, and core banking operations like deposits, withdrawals, balance checks, and transaction history per account. It also calculates user age from birthdate and offers coupon options during account creation. Built with Java, robust input validation, and session-based account handling via object-oriented design.

ATM-SIMULATOR | [LINK](#)

Java

ATM Simulator (Java CLI)

Developed a command-line ATM simulation in Java to mimic essential banking tasks like account setup with PIN, balance checks, deposits, withdrawals (with validation), and PIN management ensuring realistic constraints like withdrawal limits, PIN security, and transaction tracking. Utilized java.util.Scanner, java.util.Random, and robust input/error handling in a session-based environment.

CERTIFICATIONS

- Responsive Web Design - [FREECODECAMP](#)
- Data Science Tools - [COGNITIVE CLASS BY IBM](#)
- Data Science 101 - [COGNITIVE CLASS BY IBM](#)