# Simphiwe Mnqobi Mthethwa

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## Welcome to SimphiweCV!

Born on March 23rd, 2001, in the coastal province of KwaZulu-Natal, South Africa, came into the world during the early years of the new millennium in one of the country's most culturally rich and diverse regions. As someone born in 2001, they have witnessed South Africa's continued transformation in the post-apartheid era and have come of age during a time of significant technological and social change both locally and globally.

## Education

**BICT**  **Durban University of Technology**, Information and Comm Technology          Feb 2020 – May 2023
- GPA: 2.9/4.0
- **Coursework:** Software Engineering, Machine Learning, Information Management, Information Assurance and Security, Project Management

## Experience

**TELUS Digital**, Media Search Analyst - (English) South Africa          Remote, Part Time
July 2025 – Present
- Analyzing and evaluating search results across various media domains, including music, video, apps, podcasts, and more
- Utilizing online tools and market knowledge to determine the relevance and accuracy of search queries, ensuring alignment with provided guidelines
- Using a web-based evaluation tool with a flexible schedule, allowing for remote work and personalized time management

## Publications

**The Adoption of an Intelligent Waste Collection System in a Smart City**          April 2023

Oluwasegun Julius Aroba, Thuthukani Xulu, Nonsikelelo N. Msani, Thuso T. Mohlakoana, Experience E. Ndlovu, *Simphiwe M. Mthethwa*

10.1109/ICTAS56421.2023.10082750 ↗

## Projects

**AI Image generator**          github ↗
- Built responsive text-to-image generation platform with integrated Pollinations AI API to convert text descriptions into high-quality visual content with customizable parameters
- Tools Used: JavaScript ES6+, CSS Grid/Flexbox, REST API Integration, Web APIs, Progressive Enhancement

**Secure Password Manager**          github ↗
- Built responsive password management tool that has secure password generation algorithms with customization complexity
- Tools Used: JavaScript ES6+, CSS Grid/Flexbox, Web APIs, Progressive Enhancement

**Personal Finance Analytics**          github ↗
- Built a comprehensive Personal Finance Analytics Dashboard with interactive data visualization, CSV processing, and intelligent expense categorization featuring South

African banking integration
- Tools Used: React, JavaScript, Recharts, Papa Parse, CSS3

## Technologies

**Languages:** Python, Java, SQL, JavaScript, HTML, CSS

**Technologies:** Jupiter Notebook, SQL Server, Microsoft Excel, Figma, Latex