

UNIVERSITY OF THE WESTERN CAPE

Private Bag X17, Bellville 7535, South Africa
Tel: +27 21 959 2911 | www.uwc.ac.za

Publication Evidence Portfolio

Thabo Molefe – PhD Computer Science

1. CONFERENCE PUBLICATION

ACCEPTANCE NOTIFICATION

| | |
|--------------|---|
| Conference: | SAICSIT 2025 – South African Institute of Computer Scientists and Information Technologists |
| Paper Title: | ML-Driven Diagnostic Imaging for TB Screening in Resource-Constrained Settings |
| Authors: | Molefe, T. and van der Berg, S. |
| Decision: | ACCEPTED (Full Paper) |
| Date: | 15 July 2025 |

Review Summary:

The paper was reviewed by three independent reviewers. All reviewers recommended acceptance, noting the novelty of the approach and its relevance to the African healthcare context. Minor revisions were requested regarding the statistical analysis section, which have been addressed in the camera-ready version.

Reviewer 1 **[Accept]**

Strong contribution to AI in healthcare. Well-written and methodologically sound.

Reviewer 2 **[Accept (minor)]**

Interesting application. Please add confidence intervals to Table 3.

Reviewer 3 **[Accept]**

Relevant and timely research for the South African context. Good use of local data.

2. JOURNAL SUBMISSION (Under Review)

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|----------------|---|
| Journal: | The Lancet Digital Health |
| Title: | Attention-Enhanced CNNs for Automated TB Screening: A Multi-Site Validation Study |
| Submitted: | 12 November 2025 |
| Status: | Under Peer Review (Round 1) |
| Manuscript ID: | TLDH-2025-4821 |