



Zakia Salod

Full Name: Zakia Salod Title: Ms Age: 32 Live In: Durban, South Africa	
PhD Public Health Student (Full-time) – University of KwaZulu-Natal (UKZN) – Durban, South Africa	
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Career Goal

My objective is to use my polymathic nature to specialize in the medical sector as a medical research scientist. This role will entail using medical data, such as genomic data and patient records, to conduct medical research and provide insights to clinicians and policymakers. I believe that my background in: (i) computer science; (ii) information technology; (iii) medical informatics; (iv) machine learning; (v) public health presently, and research has equipped me to achieve my objective. I am also a born artist and a philanthropist. Currently, I am a full-time PhD Public Health student at the Discipline of Public Health Medicine, University of KwaZulu-Natal (UKZN), Howard College campus in Durban, South Africa. My goal is to contribute towards medical research and assist in saving and making a positive difference in patients' lives globally. Achieving my objective can result in me achieving this goal. The fulfilment of my ambition is in line with my purpose of life: (i) to live a purposeful life; (ii) to aid humanity; and (iii) to do everything to please my most beloved Creator, The Almighty.

Education

University of KwaZulu-Natal (UKZN)	
○ PhD Student (Full-time), Discipline of Public Health Medicine	Durban, South Africa
○ Advisor: Dr Ozayr Mahomed	May 2021 - Current
University of KwaZulu-Natal (UKZN)	
○ PhD Student (Full-time), Department of TeleHealth	Durban, South Africa
○ Advisor: Dr Yashik Singh	August 2020 - April 2021
University of KwaZulu-Natal (UKZN)	
○ MMedSc Medical Informatics	Durban, South Africa
○ Advisor: Dr Yashik Singh	August 2016 - December 2019
University of KwaZulu-Natal (UKZN)	
○ BCom Honours Information Systems and Technology	Durban, South Africa
○ Advisor: Dr Yashik Singh	January 2011 - December 2011
University of KwaZulu-Natal (UKZN)	
○ BSc Computer Science and Information Technology	Durban, South Africa
	January 2008 - December 2010
Verulam Islamic School	
○ Primary School, High School to Matric	Durban, South Africa
	January 1995 - December 2007

Honours and Awards

- **One of the Top 21 Finalist for the Junior Chamber International (JCI) South Africa (SA) Top Outstanding Young Persons (JCI SA TOYP) of South Africa 2021** ([🔗 Link](#)), JCI South Africa. 2021.
- **Attendee at the 4th Industrial Revolution (4IR) UNIX / Linux Training Workshop, held at Kwazulu-Natal Research Innovation and Sequencing Platform (KRISP), K-RITH Tower Building, Nelson R Mandela School of Medicine, UKZN, Durban, South Africa: 2nd to 3rd March 2020**, KRISP. 2020.
- **Accepted Attendee of the National Deep Learning Indaba X Conference in Durban, South Africa** (Accepted from more than 450 applicants nationally, and did a poster presentation of upcoming Masters study at the time), Deep Learning Indaba X Committee of South Africa 2019. 2019.
- **Professional Achiever of the Year in South Africa 2019** ([🔗 Link](#)), Minara Chamber of Commerce. 2019.
- **One of the 'Top 15 Young Geeks in South Africa 2019'** ([🔗 Link](#)), Geekulcha. 2019.
- **Digital McKinsey Future-Hack Hackathon Winning Team, held in Johannesburg, South Africa: 13th to 15th October 2017** (prize: trip to Silicon Valley in 2018 for the Facebook F8 International Conference in San Jose, California, United States of America [USA], and attendee at the Global Developer Day at Facebook Headquarters in Menlo Park, California, USA), Digital McKinsey & Facebook. 2017 & 2018.

Honours and Awards (continued)

- **Scholarship for Master's Degree** (for having achieved *Cum Laude* in Honours), UKZN. 2016.
- **Oracle Database SQL Certified**, Oracle University. 2014.
- **The Best Honours Student, Discipline of Information Systems and Technology**, UKZN. 2011.
- **The Best Honours Research Student, Discipline of Information Systems and Technology**, UKZN. 2011.
- **Entrant Merit Scholarship** (for having obtained distinctions in Matric), UKZN. 2008.
- **Matric: Distinction, Good Fellowship Awardee, Deputy Head Prefect**, Verulam Islamic School. 2007.

Publications ([🔗 Google Scholar Profile](#))

A five-year (2015 to 2019) analysis of studies focused on breast cancer prediction using machine learning: A systematic review and bibliometric analysis

- **Salod Zakia**, Singh Yashik.
- In <https://doi.org/10.4081/jphr.2020.1772> *Journal of Public Health Research*. 2020.

Comparison of the performance of machine learning algorithms in breast cancer screening and detection: A protocol

- **Salod Zakia**, Singh Yashik.
- In <https://doi.org/10.4081/jphr.2019.1677> *Journal of Public Health Research*. 2019.

Work Experience

South African Sugarcane Research Institute (SASRI)

- Senior Software Developer, Project Lead and Mentor, Diagnostic and Analytical Resource Unit (DARU) Department Durban, South Africa
November 2018 - June 2019

LexisNexis South Africa

- Software Developer, 'Tech_Dev' Department Durban, South Africa
October 2017 - October 2018

2Cana Solutions

- Software Developer, worked on the Momentum Medical Aid System Durban, South Africa
- Recipient of 'Great Strides' Award 2013. January 2012 - September 2017

Academic Services

- Peer Reviewer for Journal: PLOS ONE. 2022 – Current.
- Peer Reviewer for Journal: IAES International Journal of Artificial Intelligence (IJ-AI). 2022 – Current.
- Peer Reviewer for Journal: Quantitative Imaging in Medicine and Surgery. 2020 – Current.
- Peer Reviewer for Journal: International Journal of Medical Informatics. 2020 – Current.

References

- Dr Ozayr Mahomed: current PhD advisor at UKZN. Email: mahomedo@ukzn.ac.za
- Dr Yashik Singh: Honours, Masters and PhD (past) advisor at UKZN. Email: singhy@ukzn.ac.za
- Mr Dinesh Nund: lead on team projects at 2Cana Solutions. Email: dinesh.nund@2cana.co.za