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PROJECTS

**Betelhem Zewdu Wubineh**

Data Analyst and Researcher

Based in Wroclaw, Poland



ABOUT

I graduated in information technology from Bahir Dar University, Ethiopia, and am currently seeking a job within the tech solutions industry.

SKILLS

[Python](#) [SQL](#) [Data Visualization](#) [HTML](#)
[CSS](#) [JavaScript](#)

EXPERIENCE

[Edit experience](#)

2017-2022

Lecturer, Junior researcher, and Data analyst[Python](#) [SQL](#) [Data Visualization](#) [HTML](#) [CSS](#) [JavaScript](#) [Machine Learning algorithms](#)

2020-2022

Head of IT Department

I have a leadership skills led and coordinated departmental activities and academic initiatives, designed and delivered ICT training programs for students and staff, and prepared, reviewed, and managed departmental technical documents.

[Leadership skills](#) [Teamwork](#) [Collaboration](#)

EDUCATION

[Edit education](#)

2010-2014

Information Technology at University of Gondar

Bachelor's Degree in Information Technology at the University of Gondar

2015-2017

Information Technology at Bahir Dar University

I completed an MSc in Information Technology, with coursework spanning research methodology, IT project management, distributed systems, human-computer interaction (HCI), and networking systems. This program provided strong foundations in research design, project planning, system architecture, user-centered design, and network technologies.

2022 - Present

Computer Engineering at Wroclaw University of Science and Technology

Currently, I am a PhD student at Wroclaw University of Science and Technology, and I am working in the field of medical image processing and deep learning.

PROJECTS

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Original Article | Open access | Published: 16 September 2024

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Aims and scope

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[Home](#) > [Computational Science – ICCS 2024](#) > Conference paper**Segmentation of Cytology Images to Detect Cervical Cancer Using Deep Learning Techniques**

Conference paper | First Online: 26 June 2024

pp 270–278 | [Cite this conference paper](#)[Computational Science – ICCS 2024](#)

(ICCS 2024)

Cervical Cell Classification using RES_DCGAN Augmentation and ResNet50V2[Python](#) [Data Visualization](#)

We proposed a novel residual deep convolutional generative adversarial network (RES_DCGAN) for data augmentation and the ResNet self-attention method to classify cervical cells to improve the generalizability and performance of the model. The proposed method involves adding residual block.

[Read more →](#)**Segmentation of Cytology Images to Detect Cervical Cancer**[Python](#) [Data Visualization](#)

This study aims to detect cervical cancer by identifying the cytoplasm and nuclei from the background using deep learning techniques to automate the separation of a single cell.

[Read more →](#)