



Smegnsh Demelash Yeruk

Personal Summary

I am a self-motivated person who believes in achieving the target with dedication and constant work. I am a fast learner and passionate about Data Science and Machine learning. Interested in working with new tech companies as an ML engineer and data scientist.

Education

- July-Oct, 2021 **ML, Data Science and Data Engineering Training**
10 Academy
- 2016–2017 **MSc. In Mathematical Sciences**
African Institute for Mathematical Sciences, South Africa
- Essay title** Intersection of Ideals in a Polynomial rings over a Field
- 2014–2016 **MSc. In Algebra**
Addis Ababa University, Ethiopia
- Thesis title** On Length of D-module Over Hyperplane Arrangement in Space

Studentship and Work Experience

- Since oct, 2019 **PhD student**
Addis Ababa University
- Since Oct, 2017 **Lecturer**
Kotebe Metropolitan University, Addis Ababa
- 2016–2017 **Mathematics teaching assistance**
Falsebay college Muizenberg, Cape Town, South Africa
- 2015–2016 **Mathematics teacher**
Beharawi Betemengist primary school, Addis Ababa, Ethiopia

Languages

Amharic	Proficient user-	C2
English	Independent user -	B2

Skills

- Able to do EDA and interactive visualization with the goal of discovering significant information, suggesting conclusions and supporting decision making.
- Experimenting and deploying Machine Learning Models.
- Able to collaborate with others and contribute to a supportive work environment.

Never give up, keep trying until you achieve your goal!

☎ +251919157186 • ✉ smegnsh@aims.ac.za/smegnshdem@gmail.com

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- Able to perform research, organize and plan projects, design software, and test it rigorously
- Have strong mathematical, statistical and problem solving skills which helps me to think critically and creatively.
- Communicate clearly and able to address what I have in professional manner.
- **Data Mining** using Python: numpy, pandas, Sk-learn
- **Web and Visualization** using Python Flask
- **Deep Learning** : Keras, Tensorflow, MLflow.
- **Database**: MySQL
- **Others** : Maculay 2, Singular, Sage, SPSS, MatLab, Latex,C,C++

Membership and Awards

- Partial Financial support from Simons Foundation through the Research and Graduate studies in mathematics and its applications (RGSMA) for the period August 2020 - April 2021.
- Member of Ethiopian Statistical Association since 2018
- One year full grant from MasterCard Foundation at African Institute for Mathematical Sciences (AIMS): 2016/17
- Two year financial grant from the Mitsubishi Corporation's fund in Ethiopia at Addis Ababa University: 2013-2014.

Conference and Workshop

- INVITING GIRLS TO APPRECIATE THE FIELD OF MATHEMATICS MATHEMATICS THE INDISPENSIBLE TOOL FOR SCIENCES & TECHNOLOGY, 6–7th, December 2018, College of Natural and Computational Sciences, Addis Ababa University, Addis Ababa, Ethiopia.
- Statistical In-depth Analysis from March 24/25, 2018 Addis Ababa, Ethiopia.
- The eighth annual Clinic on Meaningful Modeling of Epidemiological Data from May 29 - June 9, 2017 Muizenberg, Cape Town, South Africa.

Publication

Demelash, S., & Abebaw, T. (2020). A computation on the decomposition factors of D -modules over a hyperplane arrangement in space. *Sinet, Ethiopian Journal of Science*, 43, 46 – 52.

Links

- **Github**: <https://github.com/smegnshd>
- **Linkdin**: <https://www.linkedin.com/in/smegnsh-demelash-67b104a0/>

References

Dr. Yabebal Fantaye
Co-founder of 10 Academy
☎ yabi@aims.ac.za

Arun Sharma
Co-founder of 10 Academy
☎ arun@10academy.org

Dr. Tilahun Ababaw
Lecturer, Addis Ababa University
☎ tilahun.ababaw@aau.edu.et

Prof. Jeff Sanders
Academic Director of AIMS
☎ jsanders@aims.ac.za