



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. I am capable of doing EDA and interactive visualization with the goal of discovering significant information, suggesting conclusions and supporting decision making and experimenting and deploying Machine Learning Models. Also, able to perform research, organize, plan projects, communicate clearly and collaborate with others and contribute to a supportive work environment. Most valuably, I have strong mathematical, statistical and problem solving skills which helps me to think critically and creatively.

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

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

✉ smegnsh@aims.ac.za/smegnshdem@gmail.com

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- **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
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Arun Sharma
Co-founder of 10 Academy
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Dr. Tilahun Ababaw
Lecturer, Addis Ababa University
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Prof. Jeff Sanders
Academic Director of AIMS
☎ jsanders@aims.ac.za

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