Dereje Hinsermu Senbatu
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Github profile name: https://github.com/derejehinsermu

PROFESSIONAL SUMMARY

Experienced Machine Learning Engineer with a Computer Engineering background, enthusiastic about generative AI. Eager to apply this passion in a startup environment, I aim to bridge cutting-edge research with practical, scalable solutions for product innovation. Proven track record in delivering impactful technologies and driving business growth.

EDUCATION

Madda Walabu University,Bale Robe, Ethiopia   2019

Bachelor Science (B.Sc.) in Computer Engineering
Final Grade: Second Class Honors   GPA: 3.77/4
Thesis Title: Deep Learning Based Afaan Oromo talking Robot

SOFT SKILLS

- Excellent communication and interpersonal
- Proven leadership and team collaboration
- Strong organizational and project management

TECHNICAL SKILLS:

- Tools: GCP, Django, Flask, TensorFlow
- Programming Languages: Python, C,Git & Github
- Proficient in fine-tuning large language models

EXPERIENCE

Chief AI Officer
- Atriv.ai, Netherlands (Remote)
- September 2023 - Present
- Lead the AI division to develop and implement AI technologies. Direct cross-functional teams, enhancing product efficiency and accuracy.

Machine Learning Engineer (Freelance)
- Upwork
- 2020 - Present
- Design and implement machine learning models, specializing in predictive modeling and NLP, improving client data processing efficiency

Part-Time Machine Learning Engineer
- Gebeya Inc, Technology Division, Addis Ababa, Ethiopia
- September 2023 - Present

- Fine-tune large language models and integrate AI solutions, reducing processing times and boosting model reliability.

Researcher
- Ethiopian Artificial Intelligence Institute, Addis Ababa, Ethiopia
- 2020 - 2023
- Conducted AI research, published 2 papers, and led projects improving data accuracy

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PUBLICATIONS

1. Senbatu, D.H., Girma, B.S., Ayano, Y.M. (2023). Tomato Leaf Disease Detection and Classification Using Custom Modified AlexNet. In: Girma Debelee, T., Ibenthal, A., Schwenker, F. (eds) Pan-African Conference on Artificial Intelligence. PanAfriCon AI 2022. Communications in Computer and Information Science, vol 1800. Springer, Cham. https://doi.org/10.1007/978-3-031-31327-1_6

2.Shimelis, Birhanu; Senbatu, Dereje Hinsermu (2022), "Afaan Oromoo Text-to-Speech Dataset", Mendeley Data, V1, doi: 10.17632/hnvkvj589y.1

VOLUNTEERING & LEADERSHIP EXPERIENCE

Community Services:Volunteered on a variety and number of community services through campus greenery, activated Participant in Community Services and Exemplary Work (2014-2019