Ron B. Nyonje

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• https://github.com/ronnyonjetech

Machine/ Deep Learning Engineer

Computer vision | Natural Language Processing | Django, Python| Android, Java

Dynamic and results-oriented Machine Learning /Deep Learning engineer with a solid background in developing and implementing cutting-edge ML solutions and neural network architectures. Proficient in leveraging deep learning frameworks such as TensorFlow, Keras, and PyTorch to tackle complex problems in computer vision, natural language processing, and other domains. Experienced in fine-tuning pre-trained models and optimizing hyperparameters to achieve state-of-the-art performance on various tasks. Skilled in data preprocessing, augmentation, and augmentation to enhance model generalization and robustness. Strong programming skills in Python and proficiency in deploying models to production environments. Collaborative team player with excellent problem-solving abilities and a passion for staying at the forefront of deep learning research and technology advancements.

PERSONAL PROJECTS

Chicken Disease Classifier

- https://github.com/ronnyonjetech/chicken_disease_classifier

Text Summarizer

- https://github.com/ronnyonjetech/text_summarizer

Kenya Crop Yield Estimator

- https://github.com/ronnyonjetech/kenya_crop_yield_estimator

WORK EXPERIENCE

Ared Group Inc - *USA, Georgia (Remote Internship)*   Jan 2023-Jan 2024
Software Engineer Intern

Responsible for managing Captive Portal Code Base and Bookworm library.

- Improved upload and download speed of files using Django Api's by reducing the size of payload using `gzip` hence leading to improved performance of the Api's.
- Improved the space and time complexity of Bookworm JavaScript library code to $O(n \log n)$ from $O(n)$. This not only saved space but also improved the execution speed of Bookworm library that the company used.

Infosight - *Kenya, Nairobi (Hybrid Internship)*   Jan 2022-Dec 2022
Machine Learning Engineer Intern

Responsible for various Infosight outsource projects.

- Led a team of five in the creation of a chatbot for UFAA organization.

https://ufaa.go.ke/.The chatbot generally improved user experience by answering various questions that the users might have.

- As a team of 5, we automated various tasks for the KRA management team in order to eliminate redundancy in their computer services.

EDUCATION

Strathmore University - *Nairobi, Kenya*
Bachelor of Science – Computer Science, July,2023
St Joseph's School Rapogi High School- *Kisumu, Kenya*
KCSE- August,2017
Marell Academy Primary School- *Bungoma, Kenya*
KCPE- August,2013

PROFESSIONAL SKILLS

- Android App Development, Java
- Django, Python
- CVPR, Research gate
- Docker, GitHub
- Data Mining, Data Analysis
- React Js, Javascript
- (Machine Learning and Deep Learning) Model creation and Deployment
- Machine Learning Operations (MLOPS)
- TensorFlow
- AWS
- Computer Vision
- Natural Language Processing
- Data Structures and Algorithm

LANGUAGE COMPETENCIES

- English
- Swahili