CONTACT ME

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EDUCATION

Bachelors Honours Degree in Computer Science

National University of Science and Technology (ZW)

Class : 2.1

2018 -2022

SKILLS

- Tensorflow
- Python
- Numpy
- Pandas
- Matplotlib
- Seaborn
- Keras
- Scikitlearn
- Linux Commands

Abel
Nsukwini

Entry Level
Machine Learning
Enginner

PROJECTS

Flower Image Classification

This is the project i completed inorder to graduate from Udacity's **AI Programming with Python Nanodegree** program. The goal of project was to build a image classifier capable of identifying different species of flowers. The dataset comprised 102 flower categories, each with its unique characteristics .In this project i learnt data preparation such as split it into three subsets: training, validation, and testing.For this project, i employed transfer learning using CNN Vgg16 on pytorch framework. Here is my **blog post** about the project and **github** page.

Skim-Lit

This is the project implementing the PubMed 200k RCT paper using Tensorflow. The goal of the project was for efficient literature skimming ,researchers often need efficient tools to navigate through extensive literature. Automatically classifying each sentence in an abstract can significantly enhance researchers' productivity. During this project i built five models with naive bayes base model and the biggest model being a transfer learning model with pretrained token embeddings ,character embeddings and positional embeddings. For more on the project refer to **blog page** and **github** page.

Disaster or Not Disaster Tweet Classification

In this project, I explored how to use machine learning algorithms to classify tweets as disaster or non-disaster related. My goal was to build a model that could accurately predict whether a tweet is related to a disaster or not. I used a dataset of tweets that had been labeled as disaster or non-disaster to train my model. I built seven models with naive bayes as baseline and tensorFlow hub pretrained feature extractor as the big dog model . For more read the **blog post** and **github** link to project code.

To view all project done visit **github page** and explanation for selective projects in my **blog**

WORK EXPERIENCE

Intern : Software Developer and IT Technician   **Jan 2021 - Nov 2021**

National Railways of Zimbabwe l Bulawayo

- Maintained the Wagon Tracking System used for tracking location of trains

- With a team developed further the Wagon Tracking System to provide reports on a particular train when needed
- Involved in data transfers and backups.
- Used SQL and other tools to create comprehensive data reports.
- Troubleshooting network problems
- Used Wireshark and other tools to monitor Wi-Fi network
- IT support for company employees
- Installation and configuration of operating system and applications on computers

Freelance : WordPress Developer | Jun 2023 - Present

- Developed and launched websites for clients across various industries, including personal portfolios.
- Customized themes and plugins to create unique and engaging user experiences.
- Integrated WooCommerce for e-commerce functionality in one of the projects.
- Implemented performance optimization strategies and improved website loading speeds.
- Provided ongoing maintenance and support to ensure website functionality and security.
- Managed communication and deadlines effectively, exceeding client expectations on all projects.
- Customize existing themes and plugins to meet client needs and specifications.
- Integrate essential functionalities like e-commerce, contact forms, and SEO optimization.

REFERENCES

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