RONALD PIKU

Machine Learning Engineer | Data Scientist | Software Engineer

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SUMMARY

As a results-driven Machine Learning Engineer with a Mechanical Engineering background, I possess a robust skill set encompassing Python, PyTorch, TensorFlow, and Git/GitHub. My notable achievements include the deployment of impactful projects, such as a sentiment analysis trading bot with an outstanding 92% accuracy rate. I have also successfully delivered a course recommendation web app and a sports video event classifier. My strengths revolve around analytical thinking, effective problem-solving, clear communication, leadership, empathy, and meticulous attention to detail. As a dynamic and skilled professional, I am well-equipped to contribute to cutting-edge Machine Learning projects.

SKILLS

Technical Skills

Computer Vision

Machine Learning Algorithms

Natural Language Processing

Data Science   Data Visualization

Deep Learning   Keras   Pandas

Matplotlib   scikit-learn

Git/GitHub   PyTorch   Tensorflow

Python   SQL   CSS   JavaScript

HTML   Microsoft Office

Soft Skills

Communication   Collaboration

Critical Thinking   Problem Solving

Leadership   Innovation

Attention to Detail   Agile

Analytical   Empathetic

Adaptability

EXPERIENCE

Data Science Trainee
HyperionDev   📅 11/2023 - Present   📍 London, UK

· Achieved a grade of 100%.
· Developed a high proficiency with Python syntax and Machine Learning libraries such as pandas.
· Presented insights about my data through visual storytelling and reports to power strategic decision-making.
· Created supervised machine learning models to identify relationships in the data and make predictions.
· Leveraged natural language processing (NLP) to extract insights such as customer sentiment.
· Performed version control using tools like Git to manage projects collaboratively, and ensure code quality and maintainability.

Engineering Tutor
Summer Boarding Courses   📅 07/2023 - 08/2023   📍 Cambridge, UK

· Taught a class of 15 international students aged 14-17.
· Used Python to create introductory projects.
· 1-on-1 coaching and personalised student support plans.
· Mentored students through the university application process and public speaking skills.
· Created syllabus and lessons for the engineering course which is now being used across the school.

Commodities Broker
Veblen Collectables   📅 08/2021 - 11/2022   📍 London, UK

· Awarded most valuable employee every month.
· The largest settlement value in the company of over £800,000.
· Achieved the quickest promotion in company history.
· Closed the largest deal in the company's history worth £250,000. This was 50 times greater than the average deal size of £5,000.
· Built and maintained a robust client book through constant communication and networking events.

EDUCATION

Mechanical Engineering (BEng)
University of Leeds   📅 09/2018 - 06/2021   📍 Leeds, UK

· Upper Second Class honours (3.7 GPA)

VOLUNTEERING

Machine Learning Engineer
Pinemite   📅 08/2023 - Present   📍 London, UK

· Developed a 3-D Convolutional Neural Network with PyTorch to classify and index key video events.
· Collected, labelled and carried out feature engineering on video data.
· Utilised libraries such as pandas and NumPy.
· Built, managed and led a team of interns that helped research, develop and deploy a brand-new model.
· Implemented transfer learning to help improve the accuracy of classifications.
· Utilised agile methodologies to encourage collaboration.

PROJECTS

Course Recommender Web App - Python
🔗 https://courserecommender.streamlit.app/

This application empowers users to select and train multiple Machine Learning models and conduct hyperparameter tuning through a user-friendly UI. The models were created using TensorFlow and helped to create a user profile or predict course similarity. Users then generate personalised recommendations based on courses they've completed.

CERTIFICATES

IBM Machine Learning Specialization - with honours

Developed skills in Supervised/Unsupervised Learning, Deep Learning and Reinforcement Learning including Time Series Analysis and Survival Analysis.

Machine Learning with Python - freeCodeCamp.com

Using PyTorch and TensorFlow libraries, I completed projects that showcase my skills in regression, classification and neural networks.

LANGUAGES

Language	Level	
Albaniain	Native	● ● ● ● ●
Japanese	Intermediate	● ● ○ ○ ○

PROJECTS

Sentiment Analysis News Trading AI - Python

A Convolutional Neural Network architecture was created using PyTorch to determine the sentiment of financial news articles and predict the impact it will have on USD/JPY. This is currently being updated to incorporate a transformer model to improve accuracy.

Stock Selector - Python/HTML/CSS/JavaScript

This project uses web scraping libraries such as Beautiful Soup to collect data and rank stocks in the FTSE All Stock Index. The top 25 stocks are then purchased. I use this to manage my portfolio, achieving more than a 23% return p/a.