Christos Christoforou
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EXPERIENCE

Apziva
AI Resident   *Oct 2022 - Present*
- As an AI Resident at Apziva, I work on designing and implementing machine learning models on various projects coming from organizations from all around the world ranging from various fields of AI such as natural language processing, computer vision, deep learning, and others.

Data Glacier
Data Science Intern   *Oct 2022 - Present*
- As a Data Science Intern at Data Glacier, I work on a variety of tasks such as data analysis and NLP projects, presentations, article writing, model building and deployment, and version control.

MAIN PROJECTS

Hate Speech Detection using Transformers (NLP)
- Text data cleansing (tokenization, lemmatization, removed special characters, white space, one letter words, punctuation, non-ASCII characters, and stop-words)
- Applied tf-idf to vectorize the data
- Fine-tuned the RobertaForSequenceClassification model to predict whether a tweet is 'hate-speech' or 'free-speech'

MonReader (Deep Learning)
- Using PyTorch, I built a CNN model to classify whether a page is being flipped or not
- Achieved a 99% accuracy and F1-score
- Used a CNN+LSTM model to classify whether a page is being flipped or not given a sequence of images

Term Deposit Marketing – Customer Intention Prediction (Data Science)
- Exploratory data analysis revealed the imbalance in the data, which I addressed using the SMOTE technique
- Used SHAP and permutation importance to determine the importance of each feature
- Achieved 92% accuracy using a RandomForest model with 5-fold cross validation and only 1 feature
- Identified the group of clients the company should focus on by clustering them using the KMeans method saving the company a huge amount of time

EDUCATION & AWARDS

University of Edinburgh   *Edinburgh, Scotland, United Kingdom*
MSc in Computational Applied Mathematics (CAM)   *2021-2022*
- **Scholarship award** of £10,000 to attend the MSc program in CAM
- Master of Science, Class of Award: **With Distinction**

University of Cyprus   *Nicosia, Cyprus*
BSc in Mathematics and Statistics – Applied Mathematics   *2017-2021*
- **Graduation award** for achieving **1st place** in the BSc program of Mathematics and Statistics - Applied Mathematics with final **GPA 8.73/10**

SKILLS & Positions of Responsibility
Skills:

- IT: R, Python, Matlab | NumPy, Matplotlib, Seaborn, Pandas, scikit-learn, PyTorch, NLTK| SQL | Tableau Prep & Desktop | MS Office Suite | Latex | Version Control
- Languages: Greek | English | French
- Military Service 2015-2017