



About MYM:

At MattYoungMedia, we're focused on using the latest cutting-edge technology to elevate the experience of marketing and business experiences for our clients. We build software tools to aid in lead-generation, copywriting, and ads

Project Description:

1. Literature Review:

Conduct a literature review on state-of-the-art techniques and applications of NLP, with a specific focus on the use of large language models such as GPT-3.5. Summarize the key findings and highlight relevant research papers or resources.

2. Data Preprocessing:

Identify a suitable NLP task from the following options and collect or find an appropriate dataset:

a. **Text Classification:** Gather a dataset for text classification, where you need to categorize text into predefined classes or categories.

b. **Text Sentiment Analysis:** Collect a dataset for sentiment analysis, where you aim to determine the sentiment (positive, negative, or neutral) expressed in a given text.

c. **Question-Answering:** Find a dataset for question-answering, where the model should be able to answer questions based on a given context.

Perform necessary preprocessing steps on the selected dataset, such as cleaning, tokenization, and handling missing values.

3. Model Development:

Design and implement a machine learning model using a large language model (LLM) such as GPT-3.5 to solve the chosen NLP task. Utilize appropriate frameworks or libraries for model development (e.g., Hugging Face's Transformers library).

4. Model Training and Evaluation:

Train your model on the preprocessed dataset and evaluate its performance using suitable evaluation metrics. Analyze the results and discuss any limitations or challenges encountered during the training and evaluation process.

5. Fine-tuning and Optimization:

Explore techniques for fine-tuning and optimizing the LLM model. Experiment with hyperparameter tuning, different training strategies, or transfer learning approaches to improve the model's performance. Document your experiments and discuss the impact of these optimizations.

6. Presentation and Documentation:

Create a comprehensive report summarizing your research, methodology, model development, results, and conclusions. Prepare a presentation to effectively communicate your findings, including the business application and recommendations for future improvements.

Next Steps:

1. Note: All candidates who fail to submit assessments after 7 days will not be permitted to move forward with the hiring process
2. Reach out if you have any questions: om@mattyounghmedia.com