**The Quotes Paper**

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**Overview of the project:**

Quote is an IOS app thatuses AI to generate motivational quotes to uplift and motivate users on a daily basis, spreading positivity across the world. The goal of the project is to inspire people with positive and uplifting quotes that are personalized on the app.

**The Model:**

The model is a “google flan-t5-large” from HuggingFace Transformers. We will use it as pretrained to make the training faster and more accurate. The model will take a list of adjectives that describes the motivation quote as \*\*\*\*\*\*\* X and return the quote based on X and based on other “X” tha (example of x – [Strong, Nice, Cool, etc.]). The training loop will take X as input, then we will use HuggingFace Seq2SeqTrainer and Seq2SeqTrainingArguments for the training loop (fine tuning).

**The Data:**

The Dataset is “Goodreads Quotes” from Kaggle as CSV. We use load\_dataset function from HuggingFace Datasets to load the dataset. Then we split the dataset into Train and Test using train\_test\_split function from HuggingFace Datasets with test\_size=0.2. Then we map the dataset with a process function, batched=True and remove\_columns=["Index ", "Quote", “Tags”].