Lychee, (Litchi chinensis), evergreen tree of the soapberry family (Sapindaceae), grown for its edible fruit. Lychee is native to Southeast Asia and has been a favourite fruit of the Cantonese since ancient times. The fruit is usually eaten fresh but can also be canned or dried. The flavour of the fresh pulp is aromatic and musky, and the dried pulp is acidic and very sweet.

Lychee is of local importance throughout much of Southeast Asia and is grown commercially in China and India. Its introduction into the Western world came when it reached Jamaica in 1775. The first lychee fruits in Florida— where the tree has attained commercial importance—are said to have ripened in 1916. To a lesser extent the tree has been cultivated around the Mediterranean, in South Africa, and in Hawaii.

I am excited to submit my application for the ML Intern position at Tower Research Capital. With a strong foundation in machine learning and a passion for harnessing AI in the field of quantitative trading, I am eager to contribute to your Core AI & Machine Learning team this summer.

Currently pursuing my Bachelor's degree in Computer Science, I specialize in Machine Learning algorithms at UPES, Dehradun. I have developed a robust skill set in machine learning and data analysis. Through coursework and hands-on projects, I have gained experience in developing data pipelines, building and fine-tuning machine learning models, and conducting rigorous experiments to evaluate their performance.

I have recently worked on a Question-Answering model with DistilBERT showcasing my knowledge of NLP and LLMs. My other projects include Sentiment Analysis of Stocks from Headlines to analyze market sentiment from financial news articles, Movie Review Analysis, Hate Speech Detection with Keras, Traffic Simulator in Java and so on.

I am particularly drawn to Tower Research Capital due to its reputation as experts in the high-frequency proprietary trading domain and algorithmic trading. The opportunity to work alongside industry experts and contribute to the firm's cutting-edge strategies is incredibly appealing to me. I am confident that my technical skills, coupled with my enthusiasm for quantitative finance, make me well-suited to thrive in this dynamic and fast-paced environment.

Furthermore, I am proficient in TensorFlow and PyTorch and have experience in creating models for various real-world applications, aligning closely with the qualifications outlined in the job description. My familiarity with Linux, SQL, Git, and ML/AI further positions me to make meaningful contributions to your team from day one.

I am genuinely excited about the prospect of joining Tower Research Capital and am eager to contribute to the firm's continued success. Thank you for considering my application.