Dear Sir/Madam,

I am writing to apply for the Data Analyst Intern position at tastytrade. I am currently pursuing Master’s in Data Science course from Illinois Institute of Technology, in addition to that, I hold a Master of Science degree in Statistics, with two years of hands-on analytical experience. I am proficient in Python, R, SQL and statistical packages. I have a strong interest in data science, and I would be excited to use machine learning and Natural language processing algorithms to help tastytrade to better understand and target their customers.

Speaking about my experience in analytics, I joined Tata Capital Financial Services Ltd. after completing my Bachelor in Statistics, I have prepared balanced scorecard and performed explanatory analysis for used car and two-wheeler dealerships. I joined Tata Capital Financial Services Ltd. after completing my Bachelor of Science degree in Statistics working on the financing of used car models and two-wheeler dealerships. I was involved in the balanced scorecard preparation for these segments, this project resulted in increased lending in this segment with 0% NPA cases. I worked as a Data Science intern at Nielsen India Inc. which involved automation using R software, this project involved sampling, weighting, and projection enhancements to reduce the time consumption for data validation processes by almost 25 %. I have a strong interest in financial markets, hence I had joined at Greeksoft Technologies Pvt. Ltd. for stock price forecasting where I have used LSTM recurrent neural networks using Keras package in python, and backtested the model for a period of 2012-17 with correct trend prediction for 71 % of the total number of the days. This project involved using python packages and libraries These experiences have made me adaptable learner and given confidence in trying new things. I am confident I could add value to a team of data scientists to solve business problems.

After my Masters of Statistics program, I joined Cartesian Consulting Pvt. Ltd., as an Analyst where I have gained exposure of working under multiple projects of varied domains. It involved working in the grocery domain for assisting their marketing team using MariaDB SQL, predicting most valuable customers for a research publication and conducting a research project for evaluating whether ‘Fantasy Sports is a game of skill or luck’. I have completed multiple certifications like SAS Base programmer, SAS Predictive Modeler using SAS Enterprise Miner 14 and Machine Learning Specialization from the University of Washington, as I strongly believe in continuing my path towards self-improvement. I have been praised extensively by superiors because of my experience in statistical data analysis such as linear models, multivariate analysis, stochastic models, and sampling methods using software like SQL, Python, and R. My strengths include basic understanding of Machine Learning techniques, problem-solving skills, presentation abilities, curiosity to learn more about the data and strong communication skills. I would love the chance to bring my skills, knowledge, and abilities to tastytrade as your new Data Analyst Intern.

Sincerely,

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