

Dear Hiring Manager,

I am writing to express my interest in Data Science/NLP Engineer/Data Analytics summer internship 2023. I am pursuing master in data science from the University of Michigan-Dearborn graduating in April 2024 and have a strong background in natural language processing, machine learning, deep learning, and data analytics. I have 3.5+ years of experience in data analytics, data acquisition, project management, and process improvement in manufacturing operations.

I have completed various project based on the natural language processing such as parts of speech tagging for a given sequence of text, sentence boundary identification, word sense identification in a given context, and extractive text summarization by using different concepts i.e tf-idf, centroid, and text rank undirected graph based approach. Apart from these projects, applied the deep learning concepts in handwritten digit recognition using artificial neural networks and convolutional neural networks. I also have experience in using the different machine learning concepts such as linear regression, logistic regression, decision trees, random forest classifier, and support vector machine.

In addition to my academic background, I also have professional experience as a Team Manager in Engineering at Hero MotoCorp Limited (Automotive Manufacturing Unit) in Gujarat, India. During my tenure there, I build many solution by using the concepts of data analytics and data acquisition. I developed a system for real-time data acquisition and analysis of vehicle acceleration testing, designed and implemented a computer vision system to reduce rework of crankshaft sub-assemblies, and managed the setup of a vehicle assembly line for 1000 vehicles per day. I also implemented 10+ process improvement ideas through data collection and analysis, leading to improved quality, productivity, and efficiency of the system and a cost savings of over \$20,000 per year.

I am a quick learner and have a strong work ethic. I am confident that my skills and experience make me an excellent candidate for this position. I would like to thank you for your time and consideration, and I look forward to the opportunity to discuss my qualifications further.

Regards,

Faiyaz Ahmad