Cover Letter

I am writing to express my interest in the Data Scientist/Machine Learning/Data Analyst/Data Engineer position. With a Master's degree in Data Science from the University of Michigan-Dearborn and graduating in April 2024. I am excited about the opportunity to leverage my expertise in data analytics, machine learning, deep learning and cloud computing to drive actionable insights and contribute to your organization's success.

Throughout my academic journey, I have acquired comprehensive knowledge and hands-on experience in data science methodologies, machine learning and deep learning algorithms, and big data technologies. My coursework, encompassing areas such as Database Systems, Cloud Computing, Deep Learning, and Natural Language Processing, has equipped me with a solid foundation to tackle complex data challenges and derive actionable insights.

In my current role as a Research Assistant at the University of Michigan-Dearborn, I am developing custom object detection algorithms. Also, implemented deep learning architectures such MobileNet, ResNet, and U-Net for facial landmark detection on thermal images . Additionally, my tenure at Hero Motocorp Limited in Gujarat, India, enabled me to optimize machine shop efficiency significantly by implementing predictive models to predict the machine failures, CNN based computer vision models for reducing rework, and developed real-time production monitoring system and dashboards using Kinesis, DynamoDB, S3, Lambda and Amazon QuickSight and Tableau for tracking key performance metrics for manufacturing operations such as equipment efficiency, productivity, and quality passing rate. These accomplishments underscore my capability to translate data into actionable insights, drive operational efficiency, and facilitate informed decision-making processes.

My proficiency in programming languages such as Python, R, and SQL, coupled with expertise in deep learning frameworks such as TensorFlow, Keras, and Pytorch, enables me to design and implement advanced deep learning models tailored to specific business needs. Furthermore, my project portfolio, encompassing diverse applications such as football analytics, sentiment analysis, movie recommendation systems, and time-series analysis, demonstrates my ability to conceptualize, develop, and deploy end-to-end data solutions in the AWS and GCP that drive value and facilitate informed decision-making.

Thank you for considering my application. I am enthusiastic about the possibility of joining and contributing to your organization's success by leveraging data science to drive innovation, optimize processes, and achieve strategic objectives.

Regards,
Faiyaz Ahmad