Bhairavsingh Ghorpade Bio

Bhairavsingh Ghorpade MS is a Senior Data Scientist at Space Cow LLC. He received his BS in Mechanical Engineering from VTU India, followed by a dual MS in Industrial & Systems Engineering and Data Science & Analytics from the University of Oklahoma. Before starting his MS, he worked as process engineer in a specialty high tensile fasteners manufacturing company where he successfully handled multiple manufacturing process improvement projects. His master thesis, titled "PEER TO PEER METROLOGICAL DATA SHARING MODEL", showcased his ability to leverage machine learning and advanced predictive analytics on manufacturing data to enhance the Industrial Internet of things (IIoT) connectivity. During his academic career, he developed an AI model that can effectively detect and locate cancerous lesions from CT scan images of any anatomical organ using convolutional neural networks.

During his industry career, he utilized NLP to analyze quality complaints and employed Failure Mode and Effects Analysis (FMEA) to detect faulty production lines, reducing product defects and enhancing overall product quality. His development of advanced algorithms to detect faults in the production line of an electronic device has proven instrumental in preventing failures and improving product quality by 45%. Another achievement includes the development of a patent-pending matching algorithm that connects industrial part designs with manufacturing capabilities. This algorithm utilizes state-of-the-art AI technology and can process CAD files to extract essential manufacturing features and geometric information necessary to determine precise manufacturing process requirements. Additionally, the algorithm contains heuristic algorithms based on design for manufacturing (DFM) principles to enhance the accuracy and effectiveness of its results.