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Letter of Recommendation

To,

The Admissions Committee,

It brings me great pleasure to write this recommendation letter for Kruthi. I have been working closely with her for the past six months and have had ample opportunities to observe her skills, work, and attitude. Being a self-starter, Kruthi approached me seeking opportunity and guidance to work on interdisciplinary research projects involving the application of artificial intelligence in the fashion and textile fields. After evaluating her technical skills and knowledge in the field of AI and taking into account her prior work, as well as her enthusiasm and inquisitiveness about the disciplines of fashion and textiles, I decided to offer her a chance.

Kruthi is a responsible individual concerned about the environment and sustainability and is working on AI-based projects in the field of sustainable fashion, with the objective of reducing garment waste caused by manufacturing faults. She has worked on two use cases, the first, to identify knit fabrics and categorize their textures. The second is to identify and classify dyeing defects in knit fabrics. She is an adept problem solver who always comes up with good solutions. For defect identification, she is currently attempting to employ autoencoders, after having worked on different image classification approaches for tackling the above use cases. She is also simultaneously focusing on making the models' predictions interpretable. She is very experimenting in nature and is always willing to try various approaches to solve a problem. She is adept in Python programming and is also the first author of the papers we are currently working on.

Kruthi is adequately motivated, committed, and enthusiastic about her work. She is capable of performing interdisciplinary research and has a strong inquisitiveness for various domains. She has shown immense interest in learning about fabrics and has spent significant time learning how to identify and distinguish knit textures and dyeing defects. This, I believe, is the key reason she was able to finish the data acquisition effectively. She demonstrated extraordinary patience and perseverance in gathering a variety of textured fabrics and defectively dyed materials, photographing them, and manually labeling them for the datasets.

Kruthi's ideas are unconventional, which I admire. She recommended that we research how individuals connected to the fashion business feel about AI-based implementations in the fashion and textile industries. We are presently conducting this study on diverse test subjects, including designers, retailers, and consumers, to mention a few. Kruthi has had discussions and interviewed some people about this, and we're now building standard questionnaires where subjects with prior experience with AI-based products in the fashion domain can share their feedback, while others can express their feelings about AI's integration into the industry.

Kruthi has a preference for papers and books and never fails to cite or recommend literature on the topic of discussion; she is always prepared. She has shown considerable interest in literature in the fashion and textile domains as well. She aims to leverage the research in the domain of AI to build useful real-world applications.

She is obsessed with the field of AI and manages to tie seemingly unrelated things to it out of nowhere. For instance, while discussing examinations, she stated, "Never train on test data" and stressed that an exam is useless if it can be passed through memorization.

Kruthi is confident, technically skilled, and shows excellent initiative. She had offered to deliver presentations twice. The first was an overview of the use cases and advantages of AI in the fashion industry, and the second focused on her work and research idea. She has strong presenting skills, a good hold on the English language, and can effectively communicate information to the audience. She also has a creative mind. In her presentations, she employs a variety of graphs and charts to visualize information in a unique and easy-to-understand way. During discussions, she is mindful of others' perspectives, making them feel equally heard and understood. She is a mature and tolerant individual who respects others' opposing viewpoints and constructive criticism.

Kruthi is a well-organized, sincere, and dependable individual who requires little supervision. She has a practice of documenting her day's progress, obstacles she encountered, and critical takeaways from our conversations. She has always met deadlines, and in the rare instances when she has not, she has been responsible enough to notify in advance with valid justification. If she is late or must take a leave, she always informs beforehand, reorganizes her work, and ensures that no inconvenience is caused. I appreciate the level of responsibility she possesses.

Kruthi is a people person, an open-minded and adaptable individual who does not allow language to stand in the way of communication. Despite not understanding Tamil, while our other coworkers and I were conversing in it, she made an effort to be a part of the discussion, attempted to comprehend what we were saying, and was also trying to learn the language. I am confident that her optimistic attitude will be extremely beneficial to her in the diverse atmosphere in which she will be pursuing her master's degree.

Kruthi's decision to pursue a Master's degree in computer science with an emphasis on artificial intelligence did not surprise me. After working closely with her, I can certainly state that she has a strong passion for the subject, adequate drive and dedication, and a strong desire to gain more and more knowledge and practical experience in the field. I am confident that she will carry out her graduate studies successfully. I strongly recommend her for your University's Master's program.

Regards,

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