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Reference Letter for Mr Munawar Kazmi

To Whom It May Concern,

I, the undersigned, in my role as Senior Research Fellow and Visiting Lecturer at the University of Hertfordshire, am pleased to express my support for Mr Munawar Kazmi in his future career. I know Mr Munawar Kazmi as his principal supervisor in his final year project of his MSc in Artificial Intelligence and Robotics where I could observe his capabilities and dedication to the project.

Munawar's master's project *Human-Robot Interaction - Companionship* was a complex and ambitious undertaking. The project aimed to develop a humanoid robot capable of conveying its needs using both non-verbal gestures and verbal cues, providing insights into the efficacy of these communication modalities. From the initial stages of designing interactive scenarios for the robot to conducting experiments with human participants and analysing results, Munawar demonstrated remarkable technical proficiency, creativity, and a strong work ethic.

Throughout the project, Munawar exhibited a keen ability to solve problems and adapt to challenges. He actively sought feedback and incorporated it into his work, demonstrating a commitment to continuous improvement. His positive attitude and ability to work effectively towards deadlines significantly contributed to the project's success. His comprehensive understanding of the project, ability to explain his work, and communication skills were particularly evident during the excellent final presentation and live demonstration of his project.

Munawar has shown a strong ability to quickly adapt in a multi-disciplinary field, making him well-suited for both further studies and professional endeavours in the field of robotics and human-computer interaction. His innovative approach, coupled with a

strong foundation in research and development, positions him as a valuable asset to academic or professional institutions.

I enjoyed supervising Munawar and wholeheartedly recommend him for any future academic or professional opportunities he may pursue. I wish him all the best in his future career.

Best Regards

Dr Patrick Holthaus