

Siegen, 06.02.2025

Reference Letter Hruday Kumar Kolla

We are pleased to provide this reference letter for Hruday Kumar Kolla, a former student assistant at the University of Siegen's Ubiquitous Computing chair, who also conducted his Studienarbeit and master's thesis under our supervision.

Throughout his time with us, Hruday consistently demonstrated exceptional dedication, technical proficiency, and intellectual curiosity. He made significant contributions to both research and academic support tasks.

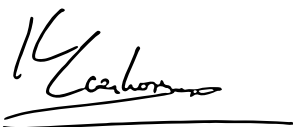
As a student assistant and during his Studienarbeit, Hruday efficiently assisted in various academic and research activities. He conducted initial exploration of artificial network architecture for the recognition of human activities based on inertial-based sensors. While at the chair, Hruday demonstrated the ability to grasp complex concepts rapidly and work independently. Additionally, his strong organizational skills and proactive approach ensured the smooth execution of assigned tasks.

During his master's thesis, titled "AI-based Unsupervised Defect Recognition for Image Data from Automotive Series Manufacturing," co-supervised by Robert-Bosch GmbH, Hruday showcased exceptional analytical and problem-solving skills. His research involved the development of an unsupervised algorithm for detecting defects in image data from automotive manufacturing processes using hierarchical clustering. The quality of his work was impressive, demonstrating a deep understanding of the subject matter and a keen ability to apply theoretical knowledge to practical challenges.

Beyond his academic and research contributions, Hruday has been a pleasure to work with. His strong communication skills and ability to collaborate effectively further highlight his potential for success in his future endeavors.

We have no doubt that Hruday will be a valuable asset to any academic or professional environment he chooses to pursue.

Sincerely,



Prof. Dr. Kristof Van Laerhoven



M.Sc. Marius Bock