August-Wilhelm Scheer Institut Digital Research

Ms. Nanna Dahlem
Digitalization Professional
Digital Health Lab
August-Wilhelm Scheer Institute for digital products and processes gGmbH
Saarland Informatics Campus
Phone: +49 681 96777 747
Email: nanna.dahlem@aws-institut.de

Date: July 08, 2024

Letter of Recommendation for Prakash Kondibhau Naikade

To Whom It May Concern,

I am pleased to recommend Mr. Prakash Kondibhau Naikade, who worked under my supervision as a Junior Researcher at the Digital Health Lab, August-Wilhelm Scheer Institute for Digital Products and Processes gGmbH. Prakash made significant contributions to the MediHopps, iperMö, and VuLCAn research projects, focusing on computer vision, computer graphics, and machine/deep learning.

During his time with us, Prakash undertook various critical tasks. His contributions have led to effective investigation of body pose estimation and human activity recognition approaches, systematic literature research and reviews, and valuable technical demonstrations. He set up deep learning experiments and tested multiple human pose estimation and action recognition repositories, creating a detailed performance analysis for video data useful for our use case.

His work in literature surveys was extensive and thorough, covering areas such as Human Action Recognition in Industry 4.0, Generative-AI for personalized products, stress detection in work environments, and VR applications in sports and rehabilitation. In his work on mitigating motion sickness in VR, Prakash conducted a literature survey and wrote scientific passages, showcasing his ability to write well-structured scientific literature. His efforts in researching and drafting proposals on using Generative-AI and VR for mental health were invaluable. Additionally, he conducted literature reviews on digital twins for logistics, covering topics like predictions, simulations, and quality management.

Prakash also conducted in-depth research on health data acquisition from IoT and smart devices, exploring open-source APIs and tools. Additionally, Prakash investigated and implemented feature extraction techniques from furniture data with a complex and hierarchical data structure and contributed significantly to the feature extraction, generation, and visualization of furniture functionalities in the codebase for the iperMö project. He also developed a Python application for visualizing and editing DICOM data of OCT scans.

Prakash's interests in Motion Capture, 3D Reconstruction, Generative AI, XR, Digital Twins and HCI align perfectly with his work at our lab and the diverse research projects we undertake. His competence and dedication make him a valuable asset to any organization. I am strongly convinced that Prakash's skills distinguish him as an exceptional candidate for roles in AI engineering, Computer Vision, Generative AI, Machine/Deep Learning and related fields.

Prakash has consistently demonstrated a keen analytical mind, attention to detail, and a strong ability to tackle complex challenges. He exhibited sincerity in achieving results, showcasing a deep passion for his work. Beyond his technical abilities, Prakash exhibits strong teamwork and communication skills. He works well with colleagues, offering useful insights and contributing positively to group dynamics. Prakash has demonstrated technical expertise and a strong collaborative spirit, making him an asset to any team. I highly recommend him for his dedication, knowledge, and ability to deliver high-quality results.

If you require any further information, please do not hesitate to contact me.
Sincerely,
Nanna Dahlem