

Kiran Chhatre

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INTERESTS	Generative Models, Vision Language Models, LoRA, 3D Motion, Computer Vision, Scene Understanding
EDUCATION	KTH Royal Institute of Technology Jan 2021 – Present Ph.D. in Computer Science <ul style="list-style-type: none">Advisors: Prof. Christopher Peters, Prof. Jonas BeskowTeaching: Artificial Intelligence, ANN and Deep Architectures, Computer Graphics, Machine Learning (I & II) RWTH Aachen University Sep 2017 – Oct 2020 M.Sc. in Mechanical Engineering <ul style="list-style-type: none">Thesis advisor: Prof. Mikhail Itskov COEP Technological University Jul 2010 – May 2014 B.Tech. in Mechanical Engineering <ul style="list-style-type: none">Thesis advisors: Prof. Prashant Kumar, Prof. Raju Ladhwe
INTERNSHIP	Electronic Arts, SEED Oct 2024 – Mar 2025 Ph.D. Intern Adobe Research , Computer Vision, Imaging & Video Apr 2024 – Jul 2024 Research Ph.D. Intern Max Planck Institute for Intelligent Systems , Perceiving Systems Sep 2022 – Dec 2024 Guest Scientist Ubisoft , La Forge Mar 2022 – Jun 2022 Ph.D. Intern IBM Research , Watson Studio Apr 2019 – Sep 2019 Machine Learning Intern Dassault Systèmes , SIMULIA Jul 2018 – Mar 2019 CAE Developer Intern McKinsey & Company , Innovation & Learning Center Aachen Apr 2018 – Mar 2019 Robotics Developer Intern Alfa Laval Jun 2013 – Jul 2013 Summer Intern Tata Steel May 2012 – Jul 2012 Summer Intern
PROFESSIONAL	Lawrence Berkeley National Laboratory , Sustainable Transportation Initiative Nov 2019 – Oct 2020 Research Affiliate Dassault Systèmes Solutions Lab Dec 2015 – Aug 2017 CATIA Specialist Autocop Telematics Jul 2014 – Nov 2015 Mechanical Design Engineer
PUBLICATIONS & PATENTS	A.S. Penamakuri*, K. Chhatre* , and A. Jain, “Audiopedia: Audio QA with Knowledge,” <i>IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)</i> , 2025.
* CO-FIRST AUTHOR	K. Chhatre , R. Daněček, N. Athanasiou, G. Becherini, C. Peters, M.J. Black, and T. Bolkart, “AMUSE: Emotional Speech-Driven 3D Body Animation via Disentangled Latent Diffusion,” <i>IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i> , 2024. R. Daněček, K. Chhatre , S. Tripathi, Y. Wen, M.J. Black, and T. Bolkart, “EMOTE: Emotional Speech-Driven Animation with Content-Emotion Disentanglement,” <i>ACM SIGGRAPH Asia Conference Papers</i> , 2023.

K. Chhatre, S. Feygin, C. Sheppard, and R. Waraich, “BEAMBayesOpt: Parallel Bayesian Optimization of Agent-Based Transportation Simulation,” *Springer Nature International Conference on Machine Learning, Optimization, and Data Science (LOD)*, 2022.

A. Deichler*, **K. Chhatre***, J. Beskow, and C. Peters, “Spatio-temporal priors in 3D human motion,” *IEEE International Conference on Development and Learning StEPP workshop*, 2021.

T. Stojanovski, H. Zhang, E. Frid, **K. Chhatre**, C. Peters, I. Samuels, P. Sanders, J. Partanen, and D. Lefosse, “Rethinking Computer-Aided Architectural Design (CAAD) – From Generative Algorithms and Architectural Intelligence to Environmental Design and Ambient Intelligence,” *Springer Nature International Conference on Computer-Aided Architectural Design Futures (CAAD Futures)*, 2021.

INVITED TALKS & PARTICIPATION	International Computer Vision Summer School (ICVSS), Sicily Italy	Jul 2024
	Indian Institute of Science (hosted by Prof. Rajiv Soundararajan), Bengaluru India	Jun 2024
	Eurographics – CLIPE workshop, Limassol Cyprus	Apr 2024
	Trinity College Dublin (hosted by Prof. Carol O’Sullivan), Dublin Ireland	Feb 2024
	Google DeepMind Research Week, Bengaluru India	Feb 2024
	Current trends in virtual humans, Universitat Politècnica de Catalunya Barcelona Tech (UPC)	Sep 2022
	Summer School on Virtual Humans, University of Cyprus	Sep 2021
	TEDxKTH Salon: AI – what should we focus on? Stockholm Sweden	May 2021
	Contrastive Learning for Visual Representations, KTH AI Society, Stockholm Sweden	Apr 2021
	Data-driven motion synthesis, KTH AI Society, Stockholm Sweden	Mar 2021
ACADEMIC AWARDS	Marie Skłodowska-Curie Action fellowship (CLIPE Project), KTH	2021 – 2024
	Swedish Karl Engvers Foundation scholarship, KTH	2021
	Lawrence Berkeley National Laboratory fellowship	2019 – 2020
	German National Hans Hermann Voss Foundation scholarship, RWTH Aachen University	2019 – 2020
	DAAD travel grant for IAESTE internship, Qatar University – KINDI Computing Research	2019
	Government of India scholarship, RWTH Aachen University	2017 – 2019
ACADEMIC SERVICES	ACM SIGGRAPH, 2025	
	IEEE Transactions on Affective Computing, 2025	
	Pattern Recognition, 2025	
	International Conference on Learning Representations (ICLR), 2025	
	Program Committee of the CLIPE workshop at Eurographics, 2024	
	ACM SIGGRAPH Asia, 2024	
	IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops, 2024	
	IEEE International Symposium on Mixed and Augmented Reality (ISMAR), 2024	
	International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2022 – 2024	
	International Conference on Machine Learning, Optimization, and Data Science (LOD), 2022 – 2023	
IEEE Conference on Games (CoG), 2021		
ACM International Conference on Intelligent Virtual Agents (IVA), 2021		
STUDENTS MENTORED	Benhou Li, M.Sc. in Computer Science, KTH (2025 Winter – Present)	
	Peiyang Zheng, M.Sc. in Computer Science, KTH (2024 Summer) → Intern, Zeekr Technology Europe	
	Simon Wanna, B.Sc. in Media Technology, KTH (2023 Summer – 2024 Spring) → Intern, Scania AB	
	Tom Boustedt, B.Sc. in Media Technology, KTH (2023 Summer – 2024 Spring) → RA, Uni. of Washington	
SKILLS	Python, PyTorch, PyTorch3D, TensorFlow, OpenCV, Blender/bpy, MPI-IS/mesh, L ^A T _E X, Git, FFmpeg	

[CV compiled on 2025-03-19]