

Arbish Akram

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Experience	Lecturer , DEPARTMENT OF COMPUTER SCIENCE Government College University, Lahore Since November 2023
Education	PhD in COMPUTER SCIENCE, (2018-2024) Punjab University Thesis Title: <i>Expression Synthesis and Analysis of Facial Images</i> Advisor: Dr. Nazar Khan MPhil in COMPUTER SCIENCE, (2016-2018) Punjab University Thesis Title: <i>Supervised and Adversarial Learning Algorithms for Facial Expression Synthesis</i> Advisor: Dr. Nazar Khan BS in COMPUTER SCIENCE, 2012-2016 Lahore College for Women University Thesis Title: <i>Life Savior: An Integrated Emergency Response System</i> Advisor: Dr. Maria Anjum
Workshop	Conducted a two-day hands-on workshop Machine Learning in Python from 29th Feb - 1st March 2020 as a trainer at Kinnaird College for Women, Lahore
Publications	Arbish Akram and Nazar Khan. GResDiff: Gated Residual Diffusion Model for Facial Expression Synthesis In: <i>IEEE Transactions on Affective Computing</i> Under Review (2025). Arbish Akram and Nazar Khan. SMaRRC: Star Masked Residual Regression with Color Correction for Facial Expression Synthesis In: <i>International Journal of Machine Learning and Cybernetics</i> Under Review (2025). Arbish Akram, Nazar Khan and Arif Mehmood. Improving GAN Generalization via Regressed Conditioning for Facial Expression Synthesis. In: <i>Multimedia Tools and Applications</i> Under Review (2025). Naila Hamid, Nazar Khan and Arbish Akram. ELSM: Evidence-Based Line Segment Merging. In: <i>The Computer Journal</i> (2024). Arbish Akram and Nazar Khan. LSRF: Localized and Sparse Receptive Fields for Linear Facial Expression Synthesis based on Global Face Context In: <i>Multimedia Tools and Applications</i> , 2024. Arbish Akram and Nazar Khan. US-GAN: On the importance of Ultimate Skip Connection for Facial Expression Synthesis. In: <i>Multimedia Tools and Applications</i> , 2024. Arbish Akram and Nazar Khan. SARGAN: Spatial Attention-based Residuals for Facial Expression Manipulation. In: <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2023. Arbish Akram and Nazar Khan. Pixel-based facial expression synthesis. In

Proceedings of the 25th International Conference on Pattern Recognition, ICPR, 2021.

Nazar Khan, **Arbish Akram**, Arif Mehmood, Sania Ashraf and Kashif Murtaza. **Masked Linear Regression for Learning Local Receptive Fields for Facial Expression Synthesis**. *International Journal of Computer Vision*, 2020.

Arbish Akram, Maria Anjum, Mariam Rehman, Hafsah Habib, Hifza Amir, and Rafia Qaisar. **Life savior: An integrated emergency response system**. In *Proceedings of the 8th International Conference on Information Technology, ICIT IEEE, 2017.*

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Pattern Recognition
Neural Computing and Applications
Multimedia Tools and Applications
IEEE Transactions on Circuits and Systems for Video Technology

References

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