Sohail Ahmed Khan

✉ sohail(dot)khan(at)uib.no
🌐 https://sohailahmedkhan.github.io/
in https://www.linkedin.com/in/sohail-ahmed-khan-97794b175/

Employment History

Oct 2021 – *Present*	**PhD Research Fellow,** SFI MediaFutures, Bergen, Norway.
Sept 2023 – Oct 2023	**Research Intern,** Wolftech Broadcast Solutions AS, Bergen, Norway.
Oct 2022 – Dec 2022	**Research Intern,** Faktisk Verifiserbar, Oslo, Norway.
Dec 2020 – May 2021	**Research Assistant,** Mohamed bin Zayed University of AI, Abu Dhabi, UAE.
Sept 2020 – Dec 2020	**Research Intern,** CYENS Centre of Excellence, Nicosia, Cyprus.

Education

Oct 2021 – *Present*	**Ph.D. Computational Visual Content Verification**, *University of Bergen, Norway.*
Sept 2018 – Nov 2019	**M.Sc. Cybersecurity and Artificial Intelligence,** *University of Sheffield, UK.* Thesis title: *Phishing Websites Classification using DeepLearning.*
Sept 2013 – Sept 2017	**B.Sc. (hons) Computer Science,** COMSATS University Islamabad, Pakistan.. Thesis title: *MyCompanion: AI based Android App for Mood Swing Detection.*

Research Publications

Journal Articles

1. **Khan, Sohail Ahmed**, & Dang-Nguyen, D.-T. (2023). Deepfake detection: Analyzing model generalization across architectures, datasets, and pre-training paradigms. *IEEE Access*. 🔗 doi:10.1109/ACCESS.2023.3348450

2. **Khan, Sohail Ahmed**, Sheikhi, G., Opdahl, A. L., Rabbi, F., Stoppel, S., Trattner, C., & Dang-Nguyen, D.-T. (2023). Visual user-generated content verification in journalism: An overview. *IEEE Access*, 11. 🔗 doi:10.1109/ACCESS.2023.3236993

3. Khan, W., Hussain, A., **Khan, S.A.**, Al-Jumailey, M., Nawaz, R., & Liatsis, P. (2021). Analysing the impact of global demographic characteristics over the covid-19 spread using class rule mining and pattern matching. ***Royal Society Open Science***, 8. 🔗 doi:https://doi.org/10.1098/rsos.201823

Conference Proceedings

1. Sheikhi, G., Touileb, S., & **Khan, S.A.** (n.d.). Automated claim detection for fact-checking: A case study using norwegian pre-trained language models. In *Proceedings of the 24rd nordic conference on computational linguistics (NODALIDA'23)*.

2. **Khan, Sohail Ahmed**, & Dang-Nguyen, D.-T. (2024). Clipping the deception: Adapting vision-language models for universal deepfake detection. In *Proceedings of the 2024 International Conference on Multimedia Retrieval (ICMR'24)* (pp. 1006–1015).

3. Moholdt, E., **Khan, S.A.**, & Dang-Nguyen, D. T. (2023). Detecting out-of-context image-caption pairs in news: A counter-intuitive method. In *Proceedings of the 30th ACM International Conference on Content-Based Multimedia Indexing (CBMI'23)*, Orleans, France.

4 Aneja, S., Midoglu, C., Dang-Nguyen, D. T., **Khan, S.A.**, Riegler, M., Halvorsen, P., … Adsumilli, B. (2022). ACM Multimedia Grand Challenge on Detecting Cheapfakes. In *Proceedings of the 29th ACM International Conference on Multimedia (**ACMMM'22**)*, Lisbon, Portugal.

5 **Khan, S.A.**, & Dang-Nguyen, D. T. (2022). Hybrid transformer network for deepfake detection. In *Proceedings of the 29th ACM International Conference on Content-Based Multimedia Indexing (**CBMI'22**)*, Graz, Austria.

6 **Khan, S.A.**, Artusi, A., & Dai, H. (2021). Adversarially robust deepfake media detection using fused convolutional neural network predictions. In ***Preprint***, https://arxiv.org/abs/2102.05950.

7 **Khan, S.A.**, & Dai, H. (2021). Video transformer for deepfake detection with incremental learning. In *Proceedings of the 29th ACM International Conference on Multimedia (**ACMMM'21**)* (pp. 1821–1828). Chengdu, China.

8 **Khan, S.A.**, Khan, W., & Hussain, A. (2020). Phishing attacks and websites classification using machine learning and multiple datasets (a comparative analysis). In *Proceedings of International Conference on Intelligent Computing (**ICIC'20**)* (pp. 301–313). Bari, Italy.

Skills

Coding	🔖	Python, PHP, SQL, HTML/CSS, LaTeX, …
ML/DL	🔖	PyTorch, KERAS, Scikit-Learn, OpenCV, Numpy, Pandas, …
Web Dev	🔖	Wordpress, Bootstrap, Django.

Miscellaneous Experience

2020	🔖	**Internship Experience UK**. Awarded by Bright Network
	🔖	**Cybersecurity Fundamentals**. Awarded by IBM
	🔖	**Writer**. AnalyticsVidhya.com

References

Duc Tien Dang Nguyen	**Achim Brucker**	**Wasiq Khan**	**Nesrine Kaaniche**
Associate Professor	Professor	Senior Lecturer	Lecturer
University of Bergen, Norway.	University of Exeter, UK.	Liverpool John Moores University, UK.	University of Sheffield, UK.