

Sohail Ahmed Khan

✉ [sohail\(dot\)khan\(at\)uib.no](mailto:sohail(dot)khan(at)uib.no)

🌐 <https://sohailahmedkhan.github.io/>

🌐 <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, S.A.**, & Dang-Nguyen, D.-T. (2024). Clipping the deception: Adapting vision-language models for universal deepfake detection. In *Arxiv preprint arxiv:2402.12927*.
- 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 Associate Professor University of Bergen, Norway.	Achim Brucker Professor University of Exeter, UK.	Wasiq Khan Senior Lecturer Liverpool John Moores University, UK.	Nesrine Kaaniche Lecturer University of Sheffield, UK.
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