

# Sohail Ahmed Khan

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

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## 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 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.
- 3 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.

- 4 **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.
- 5 **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>.
- 6 **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.
- 7 **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, $\text{\LaTeX}$ , ...
ML/DL	PyTorch, KERAS, Scikit-Learn, OpenCV, Numpy, Pandas, ...
Web Dev	Wordpress, Bootstrap, Django.

## Miscellaneous Experience

2020	<ul style="list-style-type: none"> <li>■ <b>Internship Experience UK.</b> Awarded by Bright Network</li> <li>■ <b>Cybersecurity Fundamentals.</b> Awarded by IBM</li> <li>■ <b>Writer.</b> AnalyticsVidhya.com</li> </ul>
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## References

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