

Attaullah Sahito

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EDUCATION

- PhD Machine Learning Lab, Department of Computer Science, University of Waikato, Hamilton, New Zealand, 2017-2021. **Thesis title:** "A Study of Self-training Variants for Semi-supervised Image Classification". **Thesis defense date:** 12 November 2021. **Date of conferment:** 15 February 2022.
- MS Database Management Systems, Department of Computer Science, Sukkur-IBA University, Sukkur, Sindh, Pakistan, 2013-2015. **Thesis title:** "Robust Error Detection During P300 Speller using Ensemble Learning".
- BS Computer Science, National University of Computer and Emerging Sciences-FAST, Karachi, Sindh, Pakistan, 2007-2011

EXPERIENCE

- Assistant Professor:** 2022–Present
Department of Computer Science, The Shaikh Ayaz University Shikarpur (formerly Shikarpur Campus, Shah Abdul Latif University Khairpur), Sindh, Pakistan
- Lecturer:** 2012-2017
Department of Computer Science, Shah Abdul Latif University Khairpur, Sindh, Pakistan
- Software Developer:** 2011-2012
Axatra Cloud Computing Private Ltd, Karachi, Sindh, Pakistan

PUBLICATIONS

- 2024 Fatima, S., Shaikh, H., **Sahito, A.**, Kehar, A., "A Review of Skin Disease Detection Using Deep Learning." In: *VFAST Transactions on Software Engineering* 12.4 (Dec. 2024), pp. 220–237. DOI: 10.21015/vtse.v12i4.2022
- 2022 **Sahito, A.**, Frank, E., Pfahringer, B., "Better Self-training for Image Classification Through Self-supervision." In: *AI 2021: Advances in Artificial Intelligence*. Ed. by Guodong Long, Xinghuo Yu, and Sen Wang. Cham: Springer International Publishing, 2022, pp. 645–657. ISBN: 978-3-030-97546-3
- 2020 **Sahito, A.**, Frank, E., Pfahringer, B., "Transfer of Pretrained Model Weights Substantially Improves Semi-supervised Image Classification." In: *AI 2020: Advances in Artificial Intelligence*. Ed. by Marcus Gallagher, Nour Moustafa, and Erandi Lakshika. Cham: Springer International Publishing, 2020, pp. 433–444. ISBN: 978-3-030-64984-5

- 2019 **Sahito, A.**, Frank, E., Pfahringer, B., “Semi-supervised Learning Using Siamese Networks.” In: *AI 2019: Advances in Artificial Intelligence*. Ed. by Jixue Liu and James Bailey. Cham: Springer International Publishing, 2019, pp. 586–597. ISBN: 978-3-030-35288-2
- 2017 Chandio, J. A., Soomrani, M. A. R., **Sahito, A.**, Siddiqui, S., “Initiative for Thyroid Cancer Diagnosis: Decision Support System for Anaplast Thyroid Cancer.” In: *Sukkur IBA Journal of Computing and Mathematical Sciences* 1.2 (2017), pp. 48–56
- 2017 Shaikh, M. B., Rehman, M. A., **Sahito, A.**, “Optimizing Distributed Machine Learning for Large Scale EEG Data Set.” In: *Sukkur IBA Journal of Computing and Mathematical Sciences* 1.1 (2017), pp. 114–121
- 2016 Chandio, J. A., **Sahito, A.**, Soomrani, M. A. R., Abbasi, S. A., “TDV: Intelligent system for thyroid disease visualization.” In: *2016 International conference on computing, electronic and electrical engineering (ICE Cube)*. IEEE. 2016, pp. 106–112
- 2016 **Sahito, A.**, Rahman, M. A., Jamil, A., “Adaptive error detection method for P300-based spelling using Riemannian geometry.” In: *International Journal of Advanced Computer Science and Applications* 7.11 (2016)
- 2013 **Sahito, A.**, Rajpar, S., Shaikh, A. Z., “CHATEM: Chat Emotion Mapper.” In: *Sindh University Research Journal* 45.3 (2013), pp. 07–10

TEACHING

- 2025 Machine Learning, Artificial Intelligence, Deep Learning, Analysis of Algorithms
- 2024 Deep Learning, Machine Learning, Artificial Intelligence, System & Network Administration
- 2023 Deep Learning, Design & Analysis of Algorithms
- 2022 Natural Language Processing, Artificial Intelligence, Data Mining
- 2017 Computer Graphics, Design & Analysis of Algorithms
- 2016 Mobile & Pervasive Computing, Fundamentals of Information Technology
- 2015 Algorithms, Computer Graphics
- 2014 Operating Systems, Databases, Data Structures, Algorithms, Data Warehousing, System Administration
- 2013 Programming Fundamentals, Introduction to Computers, Object Oriented Programming, Operating Systems
- 2012 Object Oriented Programming

LAB ASSISTANT

- 2020 Doctoral Assistant for conducting Programming lab, University of Waikato, Hamilton, New Zealand

SUPERVISION

- 2025 AI-Powered Lungs Disease Detection and Consultation –Supervisor– Undergraduate student project

- 2025 SindhiMate – Handwritten Sindhi alphabet dataset collection and recognition –Supervisor– Undergraduate student project
- 2025 AI Based Mental Health chatbot –Supervisor– Undergraduate student project
- 2024 CyberDost – Cyber Security Chatbot –Supervisor– Undergraduate student project
- 2023-25 Smart and Rapid Prediction System for Skin Disease using Machine Learning – Co-Supervisor– PhD Thesis
- 2023 Brain Tumor Detection using Deep Learning – Supervisor– Undergraduate student project
- 2023 Tomatoes disease detection using leaves –Supervisor– Undergraduate student project

AWARDS AND HONORS

- 2023 Universities & Boards Department, Government of Sindh, awarded a Performance Incentive (PKR.50,000/) in the Education Sector under World Bank’s Funded Program for Results (P for R), Public Financial Management and Accountability to support Service Delivery.
- 2022 Higher Education Commission, Pakistan Approved PhD Supervisor
- 2021 The University of Waikato Research & Enterprise Study Award.
- 2016 Higher Education Commission, Pakistan Overseas Scholarship for PhD at the University of Waikato, New Zealand
- 2016 Distinction (1st position) – Gold Medal MSCS, Sukkur-IBA.
- 2010 2nd Position at National University of Science and Technology-EME Olympiad All Pakistan Speed Programming Competition.
- 2007 National ICT R & D Fund Scholarship for BSCS at FAST-NUCES, Karachi, Sindh, Pakistan

CERTIFICATIONS AND TRAINING

- 2025 National Outreach 4-week Training Program for Higher Education Faculty, arranged by National Academy of Higher Education (NAHE), Higher Education Commission, Islamabad, Pakistan
- 2023 Research Training Program for writing Grant Proposal, arranged by Sindh Higher Education Commission, Karachi, Pakistan
- 2018 Deep Learning Reinforcement Learning Summer School (DLRL) 2018 – Organized by CIFAR Canada and University of Toronto
- 2017 Coursera Deep Learning Specialization.

PRESENTATIONS

Invited Talks

- 2018 Guest lecture “Applied Machine learning using WEKA”, SZABIST Larkana, Sindh, Pakistan

Poster

- 2021 Self-Supervised pretraining for Semi-supervised learning, NZAI, Matamata, New Zealand

MEMBER COMMITTEES/BOARDS

2024-	Head of Department - Computer Science - The Shaikh Ayaz University, Shikarpur
2024-	Member Syndicate - Assistant Professor - The Shaikh Ayaz University, Shikarpur
2024-	Faculty member of the Board of Studies Department of Computer Science, The Shaikh Ayaz University, Shikarpur
2024-	Member Advance Study Research Board (ASRB), The Shaikh Ayaz University, Shikarpur
2023-	PhD Country Directory (PCD) Focal Person for The Shaikh Ayaz University Shikarpur
2023-	Focal Person for the Digital Learning and Skills Enrichment Initiative Program for Shaikh Ayaz University Shikarpur.
2023-2025	Director Office of Research and Innovation and Commercialisation (ORIC) at The Shaikh Ayaz University Shikarpur, Sindh, Pakistan
2022-	Final Year Projects (FYPs) coordinator Department of Computer Science, The Shaikh Ayaz University, Shikarpur

PROFESSIONAL CONTRIBUTION AND AFFILIATION

2025	Journal Reviewer for Sukkur IBA Journal of Computing and Mathematical Sciences
2025	Journal Reviewer for Quaid-e-Awam University Research Journal of Engineering Science and Technology
2022	Journal Reviewer for IEEE Transactions on Artificial Intelligence
2021	Member of New Zealand Artificial Intelligence Researchers
2017-21	TPM Whānau PhD Student Member

REFERENCES

References are available upon request.