

Attaullah Sahito

Assistant Professor, Department of Computer Science

The Shaikh Ayaz University Shikarpur, Sindh, Pakistan

Research Areas: Machine Learning, Deep Learning, Computer Vision

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🌐 [attaullah.github.io](https://github.com/attaullah)

🎓 Google Scholar

🔗 github.com/attaullah

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

Teaching/Academic 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

Industry Experience

Software Developer: 2011-2012

Axatra Cloud Computing Private Ltd, Karachi, Sindh, Pakistan

PUBLICATIONS

- 2026 Sanjrani, A. A., Wassan, Z. A., Aleem, M., Sahito, A., Memon, A. A., Qadeer, A., **INVISIBLE THREATS IN MODERN TECHNOLOGY: THE HARMFUL EFFECTS OF ELECTROMAGNETIC WAVES ON HUMAN LIFE.**, 4(4), 2026, pp. Pp. 1118–1142
- 2024 Fatima, S., Shaikh, H., Sahito, A., Kehar, A., **A Review of Skin Disease Detection Using Deep Learning.** 12(4), 2024, pp. Pp. 220–237
- 2022 Sahito, A., Frank, E., Pfahringer, B., **Better Self-training for Image Classification Through Self-supervision.** *AI 2021: Advances in Artificial Intelligence*, 2022, pp. Pp. 645–657
- 2020 Sahito, A., Frank, E., Pfahringer, B., **Transfer of Pretrained Model Weights Substantially Improves Semi-supervised Image Classification.** *AI 2020: Advances in Artificial Intelligence*, 2020, pp. Pp. 433–444
- 2019 Sahito, A., Frank, E., Pfahringer, B., **Semi-supervised Learning Using Siamese Networks.** *AI 2019: Advances in Artificial Intelligence*, 2019, pp. Pp. 586–597

- 2017 Chandio, J. A., Soomrani, M. A. R., Sahito, A., Siddiqui, S., **Initiative for Thyroid Cancer Diagnosis: Decision Support System for Anaplast Thyroid Cancer.** 1(2), 2017, pp. Pp. 48–56
- 2017 Shaikh, M. B., Rehman, M. A., Sahito, A., **Optimizing Distributed Machine Learning for Large Scale EEG Data Set.** 1(1), 2017, pp. Pp. 114–121
- 2016 Chandio, J. A., Sahito, A., Soomrani, M. A. R., Abbasi, S. A., **TDV: Intelligent system for thyroid disease visualization. 2016 International conference on computing, electronic and electrical engineering (ICE Cube),** 2016, pp. Pp. 106–112
- 2016 Sahito, A., Rahman, M. A., Jamil, A., **Adaptive error detection method for P300-based spelling using Riemannian geometry.** 7(11), 2016
- 2013 Sahito, A., Rajpar, S., Shaikh, A. Z., **CHATEM: Chat Emotion Mapper.** 45(3), 2013, pp. Pp. 07–10

TEACHING

- 2026 Natural Language Processing, Analysis of Algorithms, Artificial Intelligence, Machine Learning
- 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

- 2026 KISAN AI - IOT and AI based agricultural system –Supervisor– Undergraduate student project
- 2026 AI MOCK INTERVIEW –Supervisor– Undergraduate student project
- 2026 MOOD-SENSE AI based mood prediction –Supervisor– Undergraduate student project
- 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

- 2023-26 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 Four-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- Faculty member of the Board of Studies Department of Computer Science, The Shaikh Ayaz University, Shikarpur
- 2024- Member Syndicate - Assistant Professor - 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.
- 2022-2024 Final Year Projects (FYPs) coordinator Department of Computer Science, The Shaikh Ayaz University, Shikarpur

ADMINISTRATIVE EXPERIENCE

- 2023-2025 Director Office of Research and Innovation and Commercialisation (ORIC) at The Shaikh Ayaz University Shikarpur, Sindh, Pakistan
- 2022-2025 Incharge IT Services at The Shaikh Ayaz University Shikarpur, Sindh, Pakistan

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.