

PERSONAL INFORMATION

Atezaz Ahmad, PhD



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- 🐙 <https://github.com/atezaz>

EDUCATION

- **PhD in Computer Science** from **Goethe University Frankfurt** - Germany (2025)
 - **Thesis title:** *Uncharted Territories: Learning Analytics Indicators from a Learning Design Perspective* [\[link\]](#)
- **Master of Science** in Software Systems Engineering from **RWTH Aachen University** (QS World Top 100) - Germany (2015 - 2018)
- **Bachelor of Science** in Software Engineering from **IIU Islamabad** - Pakistan (2010 – 2014)
- Higher Secondary School Certificate - Pakistan (2008 – 2010)
- Secondary School Certificate - Pakistan (1996 – 2008)

WORK EXPERIENCE

Overall Experience: 10 Years

- Research and Teaching Experience: ~ 7 years

- **Postdoctoral Researcher** at **Goethe University Frankfurt** and **DIPF** - Germany (2024 - **Present**)
 - **Research interests:** Educational Technology, Learning Analytics, Artificial Intelligence, Data Science, and Pedagogical Research
 - Conduct quality research, workshops, publish findings and projects collaborations
 - Contribute to undergrad/grad teaching:
 - Designed, taught, and managed multiple courses
 - **Currently**, teaching a course on “**Artificial Intelligence and the Future of Software Development**” (*Independently designed, planned, and developed from the ground up*)
 - Provide supervision and constructive feedback to PhD students
 - Supervised over **13+** **Bachelor's** and **Master's** theses to successful completion
 - Lead the design and development of cutting-edge AI-based **EdTech** technologies
 - Experienced in developing with programming languages such as:
 - C++, C#, Java, Python, and Angular, and various web development frameworks and technologies, and able to **teach** them with **confidence**
 - **Currently**, analysing and preparing the manuscript for a peer-reviewed venue
- **Associate Researcher** at **DIPF | Leibniz Institute for Research and Information in Education** - Germany (2018 - 2024)
 - *Same as above*

- Industry Experience: ~ 3 years

- **Student assistant** at i9 department (**RWTH Aachen University**) - (2017)
 - Contributed to MEAN stack project development, leading to my master's thesis
- **EmCentrix Pakistan** as a **Software Engineer** (Full-stack .NET developer) - (2015)
- **Croem Pakistan** as a **Jr. Software Engineer** (.NET developer) - (2014)
- **Internship** at Xyper Technologies as .NET developer and JavaScript - (2013)

LANGUAGES

- **English: Fluent** (reading/writing/speaking)
- German: **Intermediate**
- Pashto & Urdu: **Native**

1. Ahmad, A. (2025). *Uncharted Territories: Learning Analytics Indicators from a Learning Design Perspective*. PhD Dissertation at Goethe University Frankfurt. Universitätsbibliothek Johann Christian Senckenberg. Pages 192, DOI: 10.21248/gups.93965.
2. Ahmad, A.; Schneider, J.; Schmitz, M.; Schiffner, D. and Drachsler, H. (2024). *Students Want to Experiment While Teachers Care More About Assessment! Exploring How Novices and Experts Engage in Course Design*. In Proceedings of the 16th International Conference on Computer Supported Education - Volume 1, ISBN 978-989-758-697-2, ISSN 2184-5026, pages 15-26. ***Best paper nominee!**
3. Ahmad, A.; Schneider, J.; Schiffner, D.; Islamovic, E. & Drachsler, H. (2023). *LAXplore: An NLP-Based Tool for Distilling Learning Analytics and Learning Design Instruments out of Scientific Publications*. In Proceedings of the 15th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management - Volume 1: KDIR, ISBN 978-989-758-671-2, ISSN 2184-3228, pages 230-239. DOI: 10.5220/0012163600003598
4. Ahmad, A., Kiesler, N., Schiffner, D., Schneider, J., and Wollny, S. (2023). *Caught in the Lifelong Learning Maze: Helping People with Learning Analytics and Chatbots to Find Personal Career Paths*. In *International Journal of Information and Education Technology*. vol. 13, no. 3, pp. 423-429, 2023.
5. Ahmad, A., Yordanov, I.I., Yau, J., Schneider, J., Drachsler, H. (2023). *A Trusted Learning Analytics Dashboard for Displaying OER*. In: Otto, D., Scharnberg, G., Kerres, M., Zawacki-Richter, O. (eds) *Distributed Learning Ecosystems*. Springer VS, Wiesbaden. https://doi.org/10.1007/978-3-658-38703-7_15
6. Ahmad, A.; Schneider, J.; Weidlich, J.; Di Mitri, D.; Yau, J.; Schiffner, D. and Drachsler, H. (2022). *What Indicators Can I Serve You with? An Evaluation of a Research-Driven Learning Analytics Indicator Repository*. In Proceedings of the 14th International Conference on Computer Supported Education - Volume 1, ISBN 978-989-758-562-3, ISSN 2184-5026, pages 58-68.
7. Ahmad, A., Schneider, J., Griffiths, D., Biedermann, D., Schiffner, D., Greller, W., Drachsler, H. (2022). *Connecting the dots – A literature review on learning analytics indicators from a learning design perspective*. *Special Issues Article in Journal of Computer Assisted Learning*. <https://doi.org/10.1111/jcal.12716>
8. Karademir, O., Ahmad, A., Schneider, J., Mitri, D. D., Jivet, I., & Drachsler, H. (2021, October). *Designing the Learning Analytics Cockpit-A Dashboard that Enables Interventions*. In *International Conference in Methodologies and intelligent Systems for Technology Enhanced Learning* (pp. 95-104). Springer, Cham.
9. Ahmad, A., Schneider, J., Drachsler, H., (2020). *Open Learning Analytics Indicator Repository*., The 10th International Learning Analytics and Knowledge Conference LAK20 (2020), pages 41 – 43. ***Best research poster award!**
10. Ahmad, A., Schneider, J., & Drachsler, H. (2020, September). *OpenLAIR an Open Learning Analytics Indicator Repository Dashboard*. In *European Conference on Technology Enhanced Learning* (pp. 467-471). Springer, Cham.
11. Hiebl, J., Ahmad, A., Scharnberg, G., Drachsler, H., Heck, T., Hölterhof, T. (2019). *Designing Multi-faceted Open Informational Ecosystems for Learning and Teaching*. *Forschungsworkshop auf der ECER 2019, Hamburg*
12. Ahmad, A. (2018). *Leveraging Visualizations to Improve the Effectiveness of Peer Assessment*. (Master's thesis, RWTH Aachen University, Aachen). <https://publications.rwth-aachen.de/record/729336>

"I am eager to push boundaries in research and teaching, this is just the start, and I'm excited for what's next!"