

PERSONAL INFORMATION



Atezaz Ahmad, PhD

- 📍 Frankfurt am Main, Germany
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EDUCATION

- **PhD in Computer Science at Goethe University Frankfurt – Germany (2025)**
 - *Thesis title:* Uncharted Territories: Learning Analytics Indicators from a Learning Design Perspective
 - *Research interests:* EdTech, learning analytics, responsible AI, data science, and pedagogy
- **Master of Science in Software Systems Engineering from RWTH Aachen University - 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

Research and Teaching Experience: Approximately 7 years

- **Postdoctoral Researcher at Goethe University Frankfurt and DIPF - Germany (2024 - *Present*)**
 - Conduct academic research, publish peer-reviewed findings and projects collaboration
 - Contribute to undergrad/grad teaching
 - *Currently*, teaching a course on “Artificial Intelligence and the Future of Software Development”
 - Provide mentorship 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 technologies
 - Semi-automated student assessment and online meeting assistance tools
 - *Currently*, analysing and preparing the manuscript for a peer-reviewed venue
- **Research Associate at DIPF | Leibniz Institute for Research and Information in Education - Germany (2018 - 2024)**
 - Same as above

Industry Experience: Approximately 3 years

- **Student assistant at i9 department (RWTH Aachen University) for about 1.5 years**
 - Contributed to MEAN stack project development, leading to my Master’s thesis
- EmCentrix Pakistan as a **Software Engineer** (Full-stack .NET developer)
- Croem Pakistan as a **Jr. Software Engineer** (.NET developer)
- **Internship** at Xyper Technologies as .NET developer and JavaScript

LANGUAGES

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

1. **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!**
2. **Ahmad, A.**; Schneider, J.; Schiffner, D.; Islamovic, E. & Drachsler, H. (2023). *LXplore: 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
3. **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.
4. **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
5. **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.
6. **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>
7. 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.
8. **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!**
9. **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.
10. 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

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