



Prof. Dr. Mazhar Hameed

PROFESSOR OF SOFTWARE ENGINEERING

Dr. Mazhar Hameed is Professor of Software Engineering at Gisma University of Applied Sciences and an expert in the efficient processing of large amounts of data. His focus is on the development of intelligent methods for data preparation and integration - a crucial basis for data analytics and powerful AI applications. He also brings expertise on topics, such as data quality, machine learning and distributed computing.

The importance of his work is reflected in numerous publications in leading journals and conferences in the data management community, including PVLDB, SIGMOD, EDBT, CIKM and SIGMOD Record. Of particular note, his PhD research won the Best Paper Award at the 2024 EDBT conference, and the research highlights award for the 2024 SIGMOD conference, highlighting his impact in the scientific community.

Dr. Hameed holds a PhD in Data Science and Engineering from the Hasso Plattner Institute at the University of Potsdam. He also holds a Master's degree in Software Engineering and a Bachelor's degree in Computer Science. Before joining Gisma, he gained valuable experience as a lecturer at the HITEC university and as a software engineer in the stock market industry.

With his combination of scientific excellence and hands-on experience, Dr. Hameed drives innovative research projects and supports the next generation of software engineers and data scientists.

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Links

Gisma

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Focus themes

The future of green software engineering

Dr. Mazhar Hameed explores innovative approaches to develop softwares more environmentally friendly in order to reduce its carbon footprint. He shows which approaches in software development - from energy-efficient algorithms to better use of computing resources - can help reduce the carbon footprint and mitigate climate change. It shows how these principles can be integrated into companies and research in order to achieve sustainability goals.

Ethical data processing for a sustainable society

Dr. Hameed takes an in-depth look at the ethical challenges of data processing. He discusses how big data can be used responsibly to create social and ecological added value. In particular, he examines the balance between data use, data protection and ethical standards. His vision: data as a tool for positive change - for example in the areas of climate, education and healthcare.

Explainable AI: transparency in artificial intelligence

With his focus on Explainable AI, Dr. Hameed shows how artificial intelligence can be made more understandable and comprehensible. He explains why transparency in AI algorithms is crucial to create trust and at the same time increase the effectiveness of AI systems. He illustrates how explainable AI can be used to make sense of complex data sets, for example to analyze climate models or optimize industrial processes.

Vita

Professor for Software Engineering

Gisma University of Applied Sciences, Potsdam, Germany
Since 2024

Ph.D. Data Science & Engineering

Hasso-Plattner-Institute (HPI), Potsdam, Germany
2019 – 2024

University Lecturer

HITEC University, Taxila, Pakistan
2016 – 2019

MS Software Engineering

CEME, NUST, Islamabad, Pakistan
2014 – 2016

Software Engineer

Rapid Response, Islamabad, Pakistan
2014 – 2016

BS Computer Science

University of Peshawar, Peshawar, Pakistan
2009 – 2014

Gisma University

The Gisma University of Applied Sciences is a state-recognized private university. On its campuses in Potsdam and Berlin, it connects students and tutors from over 90 nations around the world. In its 16 programs, it enables students to become sought-after talents for the global business world in management, leadership, data sciences, AI and software engineering. Students learn from lecturers with a strong research background as well as from top executives and founders.

The university cooperates with a network of global companies from business and education, such as Mercedes, Deloitte, Birkenstock, TCS Pace, Zalando, Ebay and Vattenfall, and is a member of the SAP University Alliance. Moreover, Gisma is part of the initiative “Partnering in Business with Germany”, a global programme of the Federal Ministry for Economic Affairs and Climate Action and designed to promote foreign trade and investment. Gisma's aim is to provide innovative impetus for business and society by preparing its students for management practice in a world characterized by constant change and increasing complexity.

All of Gisma's degree programmes are state-recognized and are assessed by the Foundation for International Business Administration Accreditation (FIBAA) as well as the Accreditation Council. Gisma also benefits from individual accreditation from AMBA for its Global MBA, and CIM for the BSc and MSc Business Management degrees with Marketing specialization, making Gisma the only university in Germany to offer CIM accredited degrees. Gisma is part of GUS Germany GmbH (GGG), a dynamic network of higher education institutions with more than 15,000 students at locations in Germany, Europe and beyond. www.gisma.com