

Aqib Siddiqui

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RESEARCH INTERESTS

ICT Usage, Machine Learning, Design Science, Explainable AI, Natural Language Processing

ACADEMIC POSITIONS & EDUCATION

LSE Fellow, Department of Management

The London School of Economics and Political Science

Sept 2025 – Till Date

London, UK

Doctor of Philosophy in Information Systems

IE Business School, IE University

Advisor - Prof. Konstantina Valogianni

Sept 2020 – Sept 2025 (Expected)

Madrid, Spain

Master in Research Methodology and Management Science

IE Business School, IE University

Major - Information Systems; Minor - Strategy

Sept 2020 – Oct 2022

Madrid, Spain

Master in Management of Information Systems and Digital Innovations

Warwick Business School, University of Warwick

Minor - Digital Marketing

Oct 2017 – Oct 2018

Coventry, UK

Bachelor in Technology (B.Tech)

Zakir Husin College of Engineering and Technology; Aligarh Muslim University

Major - Electrical Engineering

August 2011 – July 2015

Aligarh, India

PROJECTS & GRANTS

2021 - 2025: **Part of EU Funded Project- DIGIMATEX** Total Project Funding: €34,52,638.75

2020 - 2024: **IE Doctoral Scholarship**, Total Funding: €72,000

PUBLICATIONS & WORKING PAPERS

Christensen, R. N., Siddiqui, A., Valogianni, K., Florack, A., Hubert, M. (2025). Digital Maturity of Young People–Unfolding Dependencies between Core Dimensions and National Context as External Factor by Using a Machine-Learning Approach. *Computers in Human Behavior Reports*, 100778. [DOI](#)

Siddiqui, Aqib, Polyviou, Ariana and, Valogianni, Konstantina “ ‘You and I Travel to the Beat of a Different Drum’? Reflecting on Stakeholders’ Values in the context of the EU Data Act”.

Siddiqui, Aqib, and Valogianni, Konstantina, “From Patterns to Action: A Deep Reinforcement Learning Approach to Understanding Children’s Digital Maturity”.

Siddiqui, Aqib, Valogianni, Konstantina and Pouloudi, Nancy “ Growing Up Digital: Decoding Age and Gender Influences on Digital Maturity with Explainable AI”.

CONFERENCES, DOCTORAL CONSORTIUM & OTHER EVENTS

Siddiqui, Aqib*, Valogianni, Konstantina, Kumar, Manish, Akhtar, M. Hashir, and Usmani (June, 2025), “Immersive VR As a Tool For Data-Driven Pain Management And Rehabilitation” *European Conference of Information Systems 2025 (ECIS)*, Amman, Jordan

Siddiqui, Aqib*, Polyviou, Ariana and, Valogianni, Konstantina (June, 2025), “Aligning Stakeholder Values in Data Governance: A value-sensitive analysis of the EU Data act” *Leading and Managing in the Digital Era 2025 (LMDE)*, Athens, Greece

European Student Assembly 2025: Invited in the Panel ‘Mentally (un)stable’ to propose policy recommendations on

‘How can the EU help young people manage mental health issues caused by overstimulation?’ (May 2025, Strasbourg, France)

Siddiqui, Aqib, Valogianni, Konstantina and Pouloudi, Nancy (October, 2024), “Machine Learning To Predict Children’s Digital Maturity” *Institute for Operations Research and the Management Sciences (INFORMS)*, Seattle, USA

Siddiqui, Aqib, Valogianni, Konstantina and Pouloudi, Nancy (August, 2024), “Machine Learning To Predict Children’s Digital Maturity” *American Conference of Information Systems (AMCIS)*, Salt Lake City, USA

Siddiqui, Aqib*, and Valogianni, Konstantina (June, 2024), “Machine Learning To Predict Children’s Digital Maturity” *European Conference of Information Systems (ECIS)*, Paphos, Cyprus

Siddiqui, Aqib*, and Valogianni, Konstantina (June, 2024), “Machine Learning To Predict Children’s Digital Maturity” *Statistical Challenges in Electronic Commerce Research (SCECR)*, Lisbon, Portugal

Siddiqui, Aqib, and Valogianni, Konstantina (October, 2023), “Understanding Digital Maturity in Children: A Machine Learning Perspective” *Institute for Operations Research and the Management Sciences (INFORMS)*, Phoenix, USA

Attended the *Conference of Information Systems and Technology (CIST) 2023*, Phoenix, USA

Christensen, Rikke N., Siddiqui, Aqib, Valogianni, Konstantina, Florack, A., and Hubert, M. (September, 2023) “Towards a Composite Index for Digital Maturity: An Unsupervised Machine Learning Approach” *15th Mediterranean Conference on Information Systems (MCIS) and the 6th Middle East & North Africa Conference on Digital Information Systems (MENACIS)*, September 2023, Madrid, Spain

Participated in the Doctoral Consortium at *15th Mediterranean Conference on Information Systems (MCIS) and the 6th Middle East & North Africa Conference on Digital Information Systems (MENACIS)*, September 2023, Madrid, Spain

Attended the ‘Hi! PARIS Summer School: Data Science and AI for Business and Society’ at **HEC Paris**. (July, 2023, Paris, France)

Siddiqui, Aqib*, and Valogianni, Konstantina (October, 2022), “Understanding Digital Maturity in Children: A Socio-Technical Perspective” *Conference of Information Systems and Technology*, Indianapolis, USA

TEACHING EXPERIENCE

Adjunct Faculty <i>IE Business School, IE University</i>	September 2024 – September 2025 <i>Madrid, Spain</i>
Business Driven Information Technology (BBA, BBA-BIR) <i>Topics Covered: ERPs, Cloud, Devaloping IS, Business Intelligence</i> <i>IE Business School, IE University</i>	<i>Sept – Dec 2024, Jan - June 2025</i> <i>Segovia, Spain</i>
Research Methods (BBA) <i>Topics to Cover: Fundamentals of research methods in social sciences</i> <i>Madrid, Spain</i>	<i>January 2025</i> <i>IE Business School, IE University</i>
Research Advisor for Final Year Projects (BBA) <i>Topics to Cover: ML, NLP, AI</i> <i>IE Business School, IE University</i>	<i>January 2025– July 2025</i> <i>Madrid, Spain</i>

GUEST LECTURER

2024: Invited Lecture/Presentation to Information Systems PhD Class on Design Scince Research, IE Business School, Madrid, Spain

2022: Invited Lecture to Masters of Management class on Machine Learning, IE Business School, Madrid, Spain

SERVICES TO THE FIELD

2025: International Conference on Information Systems (ICIS), Conference Reviewer

2024: Italian Chapter of Association for Information Systems (ItAIS), Conference Reviewer

2024: Hawaii International Conference on System Sciences (HICSS), Conference Reviewer
2024: International Conference on Information Systems (ICIS), Conference Reviewer
2024: Pacific-Asia Conference on Information Systems (PACIS), Conference Reviewer
2024: European Conference of Information Systems (ECIS), Conference Reviewer
2023: Mediterranean Conference of Information Systems (MCIS), Volunteer
2023: Hawaii International Conference on System Sciences (HICSS), Conference Reviewer
2023: European Conference of Information Systems (ECIS), Conference Reviewer
2022: Workshop on Information Technologies and Systems (WITS), Conference Reviewer
2022: Conference of Information Systems and Technology (CIST), Conference Reviewer

INDUSTRY EXPERIENCE

Business Analyst - Strategy & Marketing <i>Tata Consultancy Services</i>	January 2019 – July 2020 <i>New Delhi, India</i>
System Engineer - Oracle Database Administrator <i>Tata Consultancy Services</i>	Oct 2015 – Oct 2017 <i>New Delhi, India</i>

LANGUES

English (fluent), Hindi (Fluent), Spanish (working proficiency)