# Sneha Das

Assistant Professor (Tenure-track) · Department of Applied Mathematics and Computer Science

*Technical University of Denmark, 2800 Kongens Lyngby*

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**Scientific focus**: AI-evaluation, safety & security, Speech & language technology, low-resource machine-learning and signal processing, multi-sensory data modelling; Applications in psychiatry, healthcare and education.

## Education

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| **Aalto University** | *Helsinki, Finland* |
| Doctor of Science (Technology), Speech and Language Technology | *Oct. 2016 -* **14.12.2021** |
| **Friedrich-Alexander Universität Erlangen-Nürnberg** | *Erlangen, Germany* |
| Master of Science, Communication and Multimedia Engineering | *Oct. 2013 –* **Mar. 2016** |
| **BMS Institute of Technology** | *Bangalore, India* |
| Bachelor in Engineering, Electronics and Communication | *Sep. 2009 –* **Aug. 2013** |

## Current and previous positions

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| Dec 2022 - | **Assistant Professor,** Dept. Applied Mathematics & Computer Science, Technical University of Denmark (DTU) |
| 2021 - 2022 | **Postdoctoral researcher,** Dept. Applied Mathematics & Computer Science, DTU |
| 2020 - 2021 | **Research assistant,** Dept. Applied Mathematics & Computer Science, DTU (Dec-April) |
| 2020 | **Visiting researcher,** Fraunhofer IIS, Erlangen, Germany (May-July) |
| 2016-2021 | **Doctoral candidate,** Dept. Signal Processing and Acoustics, Aalto University, Finland |
| 2014-2016 | **Research Assistant,** International AudioLabs, Erlangen & Fraunhofer IIS, Germany |

## Funding & Awards

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| 2025-2028 | **Project partner,** Innovation Fund Denmark – Grand Solutions | *DKK 25.515.057* |
| 2024-2028 | **Work Package Leader & DTU PI in the consortium,** EU Horizon MSCA-DN on AI alignment | *€603,576* |
| 2024-2026 | **Co-PI & applicant,** Carlsberg Digital Infrastructure Grant | *€114,000* |
| 2024-2028 | **Co-PI,** Innovation Fund Denmark, Industrial PhD | *DKK 360,000* |
| 2023-2025 | **Co-PI,** FAST (Fast Assessment of psychiatric Symptoms to Transform) Mental Health Care | *€269,000* |
| 2023 | **Travel grant,** Otto Mønsteds Fond | *DKK 15,000* |
| 2020 | **Scholarship, PhD in ICT,** Nokia Foundation | *€5,000* |
| 2019 | **Scholarship for teachers in the field of technology,** Kansallis-Osake-Pankki foundation | *€1,000* |

## Management Experience

Course responsible for two DTU courses (230+ students) and supervisor of 40+ MSc/BSc projects. Secretary of the ISCA (international speech communication association) SIG on Security and Privacy in Speech (2025–2027) and lead area chair for Interspeech 2025. Core organizer of the SPSC Symposium (2024–2025). Former secretary and board member of the Aalto Doctoral Association.

## Supervision of PhDs

Defacto and daily supervisor of: one PhD student (March 2025 onwards), 1 PhD starting July and 1 PhD starting Q4 2025. Co-supervisor of 1 PhD from September 2025.

## International collaborations (Active & seclected)

Interdisciplinary Collaborators from the AlignAI consortium from 4 countries, e.g. Institute for Ethics in AI (TUM, Germany), Industrial Engineering and Innovation Sciences (TU/e, Netherlands), EPFL Switzerland.
*Nicole Lønfeldt*, Børne- og Ungdomspsykiatrisk Center, Region Hovedstaden, Copenhagen;
*Jennifer Williams*, University of Southampton; *Natalia Tomashenko*, INRIA, France;
*Anna Leschanowsky*, Fraunhofer IIS; *Nils Peters*, Trinity College Dublin, Ireland

*Shrikanth Narayanan* & *TianTian Feng*, USC Viterbi School of Engineering, USA

## Selected Invited Panels (P) and Talks (T)

Sep. 2025 (prospective). Invited talk and session organization on *AI safety* MyData 2025 conference, Helsinki.

Nov. 2025 (prospective). Invited speaker on *Trustworthy AI* at Digital Tech Summit 2025, Copenhagen.

2025. Invited talk *Low-resource ML & AI-safety* Alexandra Institute, Denmark.

2025. Invited talk at IT University, Copenhagen, Denmark.

2024 & 2025. *Voice biomarkers and AI: Opportunities and Challenges.* Union of the European Phoniatricians (UEP)(T).

2023. Invited expert in international symposium on "Generative AI and the EU AI Act". Recommendation (doi: 10.25561/108241)(P)

2023."EU Artificial Intelligence Act-landmark or stumbling block for researchers and innovators?" EuroTech Alliance (P)

2023. "AI-regulation and data-protection: Perspectives from the world" at the ISCA SPSC Symposium.(P)

2023. Invited talk on *Computational psychiatry (psychology) and AI*. BMS Institute of Technology and Management, India

2023. Invited talk *Low-resource Data Modelling for Speech and Audio*. Danish Statistical Society's Todagesmøde.

13.06.22. *Zero-shot Cross-lingual Speech Emotion Recognition*. At ISCA SIG-SPSC webinar(T).

## Scientific Service & Outreach (selected)

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| 2025 | **Lead Area Chair,** Interspeech 2025 Rotterdam, flagship conference of ISCA. |
| 2024, 2025 | **Organizing committee,** Symposium on Security and Privacy in Speech Communication. |
| 2025-2027 | **Secretary,** ISCA Security and Privacy in Speech Communication SIG |
| May 2024- | **AI expert,** AI-ACT CEN-CENELEC JTC21 standardization team of Algoirthm Audit |
| 2023 | **Guest editor,** Special issue "Security and Privacy in Speech Communication" in *CSL journal.* |
| Feb 2024 | **D3A Conference, Danish Digitalization, Data Science and AI 1.0,** Session organizer |
| 2023- | **International Speech Communication Association (ISCA),** Diversity Committee |
| 2023-2025 | **Security and Privacy in Speech communication (SIG),** Outreach and Education team |
| 2023- | **Special-session and satellite event at Interspeech,** Co-organizer |
| 2020- | **LASU & Diversity working group, Institutional Review Board, DTU Compute,** Member |
| 2019-2020 | **Aalto University Doctoral Association (Aallonhuiput),** Secretary & Board member |
| 2017-2019 | **MyData Conference,** Program team, session chair & volunteer |

*Reviewer* Journal of the Audio Engineering Society, ICASSP, FAccT 2024, Interspeech

## Teaching and Supervision Activities

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| 2025- | **Computational Data Analysis,** Course responsible | *150+ students* |
| 2024- | **Statistical Evaluation of AI,** Course-responsible | *80+ students* |
| 2020- | **40+ MSc projects & BSc project,** Main- and co-supervisor | |
| Jan. 2022 | **Introduction to applied statistics and R for PhD students,** Teaching assistant | |
| 2017-2019 | **Speech Processing,** Teaching assistant | |

## Personal information

**Date of Birth**: 13th June 1991; Place of birth: Kolkata, West Bengal, India