Rabbi, A S M Lutfor Rahman

PhD Applicant | Lecturer, Techno-Anthropology at AAU |

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EDUCATION

MSc in Techno-Anthropology | ***Department of Sustainability and Planning,***
Aalborg University, Copenhagen | 2025

120 ECTS (2-year degree)

- Thesis: **Ethical co-design** (by implementing participatory Value-Sensitive Design) of a digital system/eGov. for marginalised stakeholders in Latin America, under the Erasmus+ Egalitarian project.
- Focus areas: (digital) ethnography, participatory design/methods, techno-ethics, ETA, state/public sector digitalisation, emerging tech., design justice, standardisation, human-in-the-loop (HITL) technology/AI design.
- Average weighted grade **~11 / 12 ECTS** (Danish scale) with full grade **(12/12)** in thesis. Top **5%** in the dept.

MS in Management Information Systems | ***Department of Management Information Systems,***
University of Dhaka | 2019

66 credit points (2-year degree)

- Thesis: Operation of Trading Houses in the context of Bangladesh**:** Actuality versus "Common Practice" within the government eProcurement.
- Focus areas: Human-Computer/-Technology Interaction (HCI/HTI), digital innovation, agile, ERP development/ integration/management, decision-support system, system analysis & design, project management.
- CGPA **3.7 / 4.0**, equivalent to **~10.6 / 12 ECTS** on the Danish grading scale.

BSc in Electrical & Electronic Engineering | ***Department of Electrical and Electronic Engineering,***
American International University-Bangladesh (AIUB) | 2016

145 credit points (4-year degree)

- Thesis/ Project: Design and Implementation of a Wireless Inductive Charger (for portable digital devices).
- Focus areas: electronic/embedded systems design, control systems, industrial design, programming, network systems, data communication, sustainable technology design, and IT-enabled technical system development.
- CGPA **3.53/4.00**, equivalent to **~10.4/12** on the Danish grading scale.

ACADEMIC AND RESEAARCH APPOINTMENTS

Lecturer | ***Department of Sustainability and Planning*** | ***Responsible Technology Futures*** *(Re TECH)*,
Aalborg University | Jan 2026 – Present

- Instructor and course coordinator in the MSc. program in **Techno-Anthropology**.
- Courses: *Emerging Science and Technology*; *Introduction to Scripting, Data Mining, and Machine Learning*.
- Themes: AI/techno ethics, value-sensitive/participatory design; requirements & standardisation; techno paradigm shift; agentic/green/responsible/explainable AI & automation; vibe coding, no-code/low-code dev., Python.
- Other duties: Semester (TAN7, 1st semester of the master's program) coordination support; study/program start event coordination; curricula/assignments/course development/management; BSc/MSc project supervision.

Assistant Lecturer (/TA) |
IT University of Copenhagen | Jan 2026 – Present

- Co-teaching and facilitating/conducting exercise sessions in the BSc/MSc program in **Digital Innovation & Management,** and **Computer Science** program.
- Themes: public-sector digitalisation (including citizen science); data ethics, fairness and privacy; process mapping/ design/ improvement/automation; digital inclusion and socio-technical systems.
- Other duties: student/course facilitation, project co-supervision, reading seminars and workshops.

Supervisor | *Data Management System* *(project track)*,
Erasmus+ EGALITARIAN *(Co-funded EU, Project No. 2023-1-DK01-KA220-HED-00165709)* **| *Jan 2026 – Present***

- Supervision **5–6** interdisciplinary bachelor/master student groups, comprising approximately **21** students from Aalborg University (Denmark), University of Brasília (Brazil), University of Minho (Portugal), and Saxion University of Applied Sciences (the Netherlands).
- Support research continuity and cross-cycle/cross-track collaboration; contribute discussion on ethical technology/ digital solution design, ESG/sustainability reporting, value-sensitive design, requirements ethnography/elicitation/ translation; conduct academic writing and research article development.
- Design and oversee workshops, seminars, ethnographic fieldwork and working sessions involving researchers, engineers, civil-society actors, and governance-relevant stakeholders, while contributing to the ethical, value-sensitive and participatory development of digital infrastructures through guidance, review, and documentation.

Co-Lead | *Data Management System* *(project track)*,
Erasmus+ EGALITARIAN *(Co-funded EU, Project No. 2023-1-DK01-KA220-HED-00165709)* **| *Jan 2025 – Dec 2025***

- Co-led an interdisciplinary workstream on the design and implementation of an eGov. Data Management System.
- Design/facilitate participatory workshops, seminars; contributed to ethical, value-sensitive digital system design.

Teaching Assistant
IT University of Copenhagen **(ITU),** and ***Technical University of Denmark*** **(DTU) | *Jan 2025 – Dec 2025***

- Facilitate and conduct exercise sessions in bachelor and master courses.
- Support to courses delivery, reading seminars, exercises, workshops, student projects, feedback, and technology-/organisation-/process-/data-related project work

PREVIOUS EXPERIENCE

Partnership Lead
TechLabs Copenhagen | Dec 2024 - Sep 2025

- Support stakeholder relations, partner outreach, and programme coordination.
- Contribute to community operations, vendor coordination, and continuity across programme activities.

IT Project Engineer / Research Executive
BAT Bangladesh / BASIS / Axis International / Socian Ltd. (different org. in Bangladesh) **| *2017 – 2022***

- Management and coordination technological/digital projects and product research/development/integration across public-/private-sector, stakeholder coordination for *Socian Ltd.* and *Axis International*, Bangladesh.
- Research Consultant (2017) for government-affiliated support organisation i.e., *Bangladesh Association of Software & Information Services (BASIS),* Bangladesh, Dhaka.
  - Duties: policy-related research/analysis and contribution on national IT policies, including ride-sharing platform operation and public-private partnership framework dev., national mHealth platform governance.

TECHNICAL SKILLS AND LANGUAGE

- **Programming and data work:** Python *(pandas, NumPy, requests, scikit-learn, JSON/CSV processing, basic data cleaning and transformation)*, C++, JavaScript, HTML
- **Design, process and automation:** BPMN/CMMN, process modelling, Flowable, Camunda, n8n
- **AI/ML:** prompt engineering, AI Agents & API Integration, human-in-the-loop evaluation.
- **Research and visualisation tools:** Overleaf/LaTeX, Gephi, Tableau.
- **Languages:** Bangla (native); Hindi, Urdu (fluent in speaking); English (proficient); Danish (intermediate).

INFORMATION OF THE REFEREES

***For my teaching experience, please contact:

Tom Børsen (My employer/reporting manager at Aalborg University)

Associate Professor of Department of Sustainability and Planning, Aalborg University.
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Alessandra Cenci (My thesis supervisor at Aalborg University)

Assistant Professor of Department of Sustainability and Planning, Aalborg University.
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***For my research leadership info., please contact:

Jens Myrup Pedersen (My employer/reporting for the Erasmus+ EGALITARIAN project)

Professor, Cyber Security Group
Department of Electronic Systems, Aalborg University
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Profile: https://vbn.aau.dk/da/persons/107697/
Address: Frederikskaj 12, 2450 København SV, Denmark
Phone: +45 9940 8771
E-mail: jens@es.aau.dk

SELECTED PUBLICATIONS AND RESEARCH OUTPUTS

2026 (In Progress)

AI Paradigm Shift: From Model-Centric Machine Learning to Foundation Model Ecosystems and Agentic Workflows. (Planned submission to ICIS)

Role: Author

Contribution: Developed the conceptual framing and analysis of the AI transition.

Value Alignment Analyser: A design-evaluation tool for Value Sensitive Design-Based Technologies. (Tool and manuscript in development; planned to submit at Ethics and Information Technology.)

Role: Lead/ Corresponding Author

Contribution: Developing an analytical tool for evaluating how stakeholder values are translated into design elements within technological systems, with a manuscript planned around the method and its application.

AI Clones of Deceased Persons: Analysis of how existing and emerging AI policies address digital identity, posthumous data rights, and personhood, and the associated socio-cultural and ethical implications of cloning deceased individuals. (Planned submission to EMCIS)

Role: Author

Contribution: Analyses policy, ethical, and socio-cultural issues surrounding AI-based cloning of deceased persons, with a focus on digital identity, posthumous data rights, and personhood.

Cenci, A., **Rabbi, L. R.**, & Pyhälahti, T. (2026). Data-driven vs data-intensive environmental-marine CS: Perspectives on technology, data governance, and democratic participation in digital CS. (Submitted to *International Journal of Environmental Science and Technology*)

Contribution: Equal contribution within the authors (3); conducted literature review, technical analysis.

Link: https://vbn.aau.dk/en/publications/data-driven-vs-data-intensive-environmental-marine-cs-perspective/

2026 (Published/Accepted)

Cenci, A. & **Rabbi, L.R.** (February 2026). Designing for justice: The participatory Value Sensitive Design of a Software System for Cooperative Waste Management in Brazil. (Accepted at *Science and Engineering Ethics*).

Contribution: Equal contribution within the authors (2); conducted literature review, problem formulation, contributed to the development of an applied VSD framework.

Rabbi, L. R., & Pedersen, J. M. (2026). *Participatory persona to AI informant: A generative artificial intelligence-based representation of Brazilian waste pickers*. *PAEE/ALE 2026.*

Contribution: Leading the conceptual framing, design, and writing of a study on persona-grounded generative AI representations for design reflection and continuity in participatory research.

Link: https://paeeale.conferenceservice.jp/doc/PAEE_ALE_2026_PROCEEDINGS_draft_version.pdf

Rabbi, L. R., & Pedersen, J. M. (2026). *Does persona-grounded AI informant hold up? A comparative study with waste picker workshop data*. *PAEE/ALE 2026.*

Contribution: Leading the comparative evaluation design, conducted ethnographic research, manuscript writing and reviewing.

Link: https://paeeale.conferenceservice.jp/doc/PAEE_ALE_2026_PROCEEDINGS_draft_version.pdf

2025

da Silva, J. M., … **Rabbi, L. R.**, & Bozhilov, H. (2025)**.** *Digital mobilizer app: An app to introduce basic environmental education and motivate population engagement in sustainable development through personas created by waste pickers*. *PAEE/ALE 2025*, 409–417.

Contribution: Contributed to the participatory activities, developed and conducted workshop at Recicla Mais, Brazil, while linking waste pickers' perspectives to app-oriented digital engagement.

Link: https://doi.org/10.5281/zenodo.15880429

Rabbi, L. R. (2025)**.** *The Value Sensitive Design of a Data Management System for Cooperative Waste Management in Brazil: How to reconcile the values of Historically Marginalised stakeholders with management concerns.* Master's project, Aalborg Universitet.

Contribution: Designed and conducted the full study, including the research framing, literature review, participatory and ethnographic fieldwork, value elicitation, analysis, and translation of stakeholder values into design requirements for an ethically grounded Data Management System.

Link: AAU Pure

2024

Bro, C., da Trindade, I. R., **Rabbi, L. R.**, & Arnfred, F. S. (2024). *Enhancing Transparency in Waste Management Through use of Participatory Methods - Recommendations for the Development of EcoClareza at Coorperativa de Catadores Recicla Maís Brasil*. Aalborg Universitet.

Contribution: Equal contribution within the authors; contributed to ethnographic research, literature review, developed prototype within cooperative-relevant needs and design considerations.

Link: AAU Pure / Direct Link

Toft, S. B., Sørensen, M. M. K., **Rabbi, L. R.**, Stylianou, P., & Kjempff, C. (2024). *Ethical conflicts of digital location tracking within families: A Techno-Anthropological investigation of interpersonal surveillance*. Aalborg Universitet.

Contribution: Equal contribution within the authors; contributed to the analysis and write-up of techno-anthropological and ethical issues.

Link: AAU Pure / Direct Link

TEACHING PORTFOLIO / COURSES

**** At Aalborg University****

1. **Introduction to Scripting, Data Mining and Machine Learning, Aalborg University (5 ECTS)**
   Program: MSc in Techno-Anthropology
   Intake: Autumn 2026
   Role: Lecturer and Course Coordinator
   Course link: https://moduler.aau.dk/course/2023-2024/TBTANK22103
   The course provides a hands-on introduction to scripting, data gathering, data cleaning, exploratory data analysis, and visualisation, with a focus on Python and R for working with larger datasets. It also engages students with topics such as programming logic, flow diagrams, data quality, reliability, predictive power, transparency in data mining processes, and the critical interpretation of data and visualisations, while also introducing emerging themes such as Agentic AI and vibe coding in relation to contemporary data-driven work practices. My role in the course is as lecturer and course coordinator, where I am responsible for planning and coordinating the course, delivering lectures, facilitating exercises, supporting students in practical and analytical work, and evaluating student exams and projects.

2. **Emerging Science and Technology, Aalborg University (5 ECTS)**
   Program: MSc in Techno-Anthropology
   Intake: Spring 2026
   Role: Lecturer and Course Coordinator
   Course link: https://moduler.aau.dk/course/2025-2026/TBTANK22203?lang=en-GB
   In this course, I am responsible for teaching and coordinating course activities around themes such as emerging technologies, historical analysis of technology, technological paradigms, socio-technical systems, complex adaptive systems, requirements and standardisation, generative AI, agentic AI, prompting, automation, and AI ethics. My role includes planning and delivering lectures, structuring course themes and materials, organising Moodle activities, facilitating classroom discussion and exercises, and supporting students in their assignment work.

**** At IT University of Copenhagen****

3. **Digital Organizing and Transformation, IT University of Copenhagen (7.5 ECTS)**
   Program: MSc in Digital Innovation & Management
   Intake: Summer 2025, Autumn 2025, Summer 2026, and Autumn 2026
   Role: Assistant Lecturer (TA)
   Course link: https://learnit.itu.dk/local/coursebase/view.php?ciid=1801
   https://learnit.itu.dk/local/coursebase/view.php?ciid=1661
   https://learnit.itu.dk/local/coursebase/view.php?ciid=1931
   https://learnit.itu.dk/local/coursebase/view.php?ciid=2081
   The course examines organisations in light of contemporary challenges related to digitalisation, drawing on perspectives from organisational studies, digital transformation, and change management. It addresses themes such as digital organising, organisational change, leadership, management, and the changing nature of work, while helping students analyse and critically reflect on digital transformation and develop approaches to support organisational change. My role in the course mainly involved conducting reading seminars, facilitating exercises and group discussions, and providing initial supervision for student projects.

4. **IT and Green Transitions, IT University of Copenhagen (7.5 ECTS)**
   Program: MSc in Digital Innovation & Management
   Intake: Autumn 2026
   Role: Assistant Lecturer (AL)
   Course link: https://learnit.itu.dk/local/coursebase/view.php?ciid=2077
   The course introduces students to the complexities of how digitalisation and green transitions are entangled in relation to climate change, sustainability, and societal transformation. It explores several topical areas where IT and green transitions meet, including climate-conscious digital design, responsible infrastructures, AI, data-driven urban planning and mobility, energy efficiency in algorithms and hardware, and organisational and managerial challenges of using digital technologies for climate change mitigation. The course encourages students to critically assess the opportunities and limitations of IT-based approaches to green transitions through interdisciplinary perspectives and

empirical cases. My role in the course includes conducting exercise sessions, facilitating student discussions, supporting case-based analysis, and providing initial feedback and supervision on student assignments and exam projects.

5. **IT Program Management, IT University of Copenhagen (7.5 ECTS)**
   Program: MSc in Computer Science
   Intake: Spring 2026
   Role: Assistant Lecturer (TA)
   Course link: https://learnit.itu.dk/local/coursebase/view.php?ciid=1965
   The course introduces current theory, methods, and research approaches in IT program management, with particular attention to program planning and delivery, requirement engineering, risk identification and mitigation, performance measures, program evaluation, drivers of success and failure, root cause analysis, and the relation between software engineering and IT program management. My role in the course includes conducting exercise sessions, supporting students in their project and assignment work, providing initial supervision, and contributing mini lectures (in requirement engineering, risk analysis) where relevant.

6. **The Digital State, IT University of Copenhagen (7.5 ECTS)**
   Program: MSc in Digital Innovation & Management
   Intake: Spring 2026, Spring 2025
   Role: Assistant Lecturer (TA).
   Course link: https://learnit.itu.dk/local/coursebase/view.php?ciid=1883
   https://learnit.itu.dk/local/coursebase/view.php?ciid=1607
   The course examines public sector digitalisation, with particular attention to the changing responsibilities of state actors as they implement IT systems, the use and storage of data by public bodies, the boundary between public and private actors, and the political and ethical questions raised by infrastructure, responsibility, and digitisation initiatives. It also draws on ethnographic studies and theoretical perspectives from Anthropology, Science and Technology Studies, and Organisational Studies, and addresses themes such as the digital state in everyday life, motivations for digitisation, global comparisons, and successful and failed public digitalisation projects. My role in the course includes conducting exercise sessions, supporting workshop activities, facilitating student discussion, and contributing to course teaching, including a session using the waste management system digitalisation of Brasília as a case.

7. **Business Process Improvement & Automation, IT University of Copenhagen (15 ECTS)**
   Program: BSc in Global Business Informatics
   Intake: Spring 2026
   Role: Assistant Lecturer (TA).
   Course link: https://learnit.itu.dk/local/coursebase/view.php?ciid=1972
   The course introduces students to business process improvement and automation by combining established approaches such as Lean, Six Sigma, Process Engineering techniques e.g., BPMN, CMMN and Business Process Reengineering with newer technologies including low-code automation, robotic process automation, generative AI, and agentic AI. It focuses on modelling, analysing, improving, and automating business processes, while also addressing implementation, governance, organisational change, ethics, and sustainability through hands-on exercises and an industry-based project. My role in the course includes conducting exercise sessions, supporting workshops and providing initial supervision and feedback, and contributing feedback session on automation platforms (Flowable).

8. **Navigating Complexity: Mapping, Analyzing and Decision-Making, IT University of Copenhagen (15 ECTS)**
   Program: MSc in Digital Innovation & Management
   Intake: Autumn 2025
   Role: Teaching Assistant
   Course link: https://learnit.itu.dk/local/coursebase/view.php?ciid=1957
   The course focuses on analysing complexity in empirical cases related to science, technology, and innovation through qualitative, data-driven approaches. It introduces students to conceptual and technical tools for generating, analysing, and visualising digital and non-digital data, and addresses themes such as complexity thinking, digital methods, problematisation, data politics, discourse analysis, and positionality. My role in the course included

conducting exercise sessions, leading a technical session on data visualisation using Gephi, controversy mapping feedback, providing initial supervision and feedback on student projects, and coordinating the work of a TA team of six teaching assistants.

9. **IT Enabled Process Improvement, IT University of Copenhagen (15 ECTS)**
   Program: BSc in Global Business Informatics
   Intake: Spring 2025
   Role: Teaching Assistant
   Course link: https://learnit.itu.dk/local/coursebase/view.php?ciid=1597
   The course introduces the theoretical foundations of IT-enabled process improvement and applies them to real-life organisational contexts through project work. It focuses on improving processes that involve human work and covers approaches such as Business Process Reengineering, Design Thinking, Lean Management, Service Design, Six Sigma, and Process Mining, alongside theoretical perspectives on routines, organisational learning, and change. My role in the course included conducting exercise sessions, facilitating case-based discussions, and supporting student project work and course activities as a teaching assistant.

**** At Technical University of Denmark****

10. **From Analytics to Action, Technical University of Denmark (5 ECTS)**
    Offered Dept.: DTU Management
    Intake: Spring 2025
    Role: Teaching Assistant
    Course link: https://lifelonglearning.dtu.dk/en/management-en/single-course/from-analytics-to-action/
    The course focuses on understanding and handling data analysis projects from a management perspective, with attention to the commercial and organisational value of data projects, implementation challenges, stakeholder involvement, data visualisation, and the translation of analytical results into business and organisational action. It also addresses topics such as data quality, data analysis strategies, typical process models, and the effects of data analysis on markets and organisations. My role in the course included conducting reading seminars, facilitating discussions and exercises, and providing initial feedback and supervision on student projects.