

Saran Deb Nath

Dhaka, Bangladesh

+880 1670-655-933

✉ sarandebnath38@gmail.com

in [LinkedIn](#)

🐙 [GitHub](#)

Profile

Health Economics graduate with hands-on experience in research data management, survey design, and statistical analysis (R, STATA, Python). Managed data pipelines for IDRC-funded and WHO-supported public health studies covering roughly 26,000 respondents, trained and managed 40+ field data collectors across two organizations, and co-authored research manuscripts and a published policy brief. Experienced collaborating with international teams and government offices (BBS, DGHS), presenting findings to national policymakers, and planning nationally representative surveys.

Experience

ARK Foundation, Bangladesh

Research Assistant

Dec 2025 – Present

Project 1: IDRC-funded Sugar-Sweetened Beverages (SSB) Pack Analysis

- **Data Management & Analysis:** Built automated R workflows with API integrations for end-to-end data pipeline, QC, and reproducibility.
- **Instrument Development:** Adapted INFORMAS framework into a 400+ variable digital questionnaire; refined via pilot findings before country deployment.
- **Writing & Co-Authorship:** Co-authored study protocol manuscript; developed Theory of Change (ToC); drafting peer-reviewed publications.
- **Policy Review:** Benchmarked SSB labelling regulations against Bangladesh and international standards (2013–2025) to map regulatory gaps.
- **Stakeholder Engagement:** Presented findings to national policymakers as one of four study presenters; validated a policy-focused score matrix.
- **Field & Team Management:** Oversaw field data collection, trained 10+ field research assistants, and supervised four research interns.
- **Consortium Coordination:** Collaborated across a five-country South Asian consortium spanning Bangladesh, India, Nepal, Pakistan, and Sri Lanka.

Project 2: Nationally Representative Household Survey

- **Survey Planning:** Core team member collaborating with BBS on probability sampling; developing the data management plan with KoboToolbox survey instruments, QGIS verification, and household randomization.
- **Survey Instruments:** Built KoboToolbox instruments, including climate change and PHQ-9 modules.
- **Live QC Dashboard:** Building a Python Shiny dashboard, deployed in Docker.
- **Government Liaison:** Sourcing survey documents via DGHS Disease Control.

Data Management Assistant

Nov 2025 – Dec 2025

WHO-supported EPI Coverage Survey — Cox's Bazar (~26,000 surveys)

- **Data Pipeline:** Processed ~26,000 respondent records end-to-end; merged KoboToolbox datasets and applied validated sampling weights.
- **Quality Control:** Led validation through high-frequency checks and developed cluster-level outlier detection in STATA under donor timelines.
- **Automation & Geospatial Validation:** Automated QC workflows in R; built Python interactive HTML maps for GPS cluster validation.

Personal Research Assistant | Md Ohidujjaman

Oct 2025

- **Research & Review:** Synthesized 60+ government documents and policy papers across 10 ministries; assessed 25+ government programs for implementation modalities and societal impact on Bangladeshi youth policy.
- **Report Writing:** Assisted in writing a 20-page research report drawing on 40+ official publications to support a PhD research objective.

- **Capacity Building:** Trained and managed 30+ enumerators over three days, running mock interviews and nightly debriefs to resolve field challenges.
- **Methodology & Data Management:** Trained in J-PAL MIT guidelines for survey design, data collection, and ethical protocols; cleaned and standardized data across 500 manager and 2,000 employee surveys in STATA.
- **AI Translation:** Built an AI translation model (Google AI Studio) for processing open-ended Bangla survey responses into English for analysis.
- **Research Partnership:** Contributed to the Skills for Growth project with University of Minnesota, UC San Diego, and the Federal Reserve Bank of Richmond.

Education

- **BSS in Health Economics** | University of Dhaka Jan 2020 – May 2025
 • CGPA 3.24/4.00 • Coursework: Economics, Econometrics (3 semesters), Development Economics, Statistics, Public Health, Health Impact Assessment.
- **H.S.C. | Science** | Notre Dame College | GPA 5.00/5.00 2017 – 2019
- **S.S.C. | Science** | Ideal School and College | GPA 5.00/5.00 2011 – 2017

Skills

- **Programming & Statistics:** R, Python, SQL, STATA, SPSS
- **Survey & Data Tools:** KoBoToolbox, SurveyCTO, ODK, REDCap, Excel, QGIS, Power BI, Tableau
- **Research Methods:** Survey design, data pipelines, QA/QC (HFC), manuscript writing
- **Other:** ML, AI agents, NVivo, ATLAS.ti, Zotero, Paperpile

Publications

1. [Beyond the Barcode: Strengthening digital verification of sugar-sweetened beverages in Bangladesh](#) (policy brief) ARK Foundation, Sep 2026
2. [Late diagnosis of ADHD/Autism and the health costs being missed](#) ThinkSpace, Aug 2026
3. A multi-country mixed-methods protocol to assess and improve sugar-sweetened beverage packaging and labelling policies in South Asia Submitted
4. Packaging, labelling and promotional practices of sugar-sweetened beverages: evidence from a pack-based observational study in Bangladesh Draft

Courses & Training

- **R for Applied Statistics and Data Science** | ISRT Feb – Mar 2024
- **Research Course: Beginning to Advanced** | Research Help Bangladesh Oct – Dec 2024
- **Good Clinical Practices (GCP) Training** | NIDA Feb 2026
- **Project Management in Public Health** | ARK CPL May 2026
- **Introduction to Medical Image Analysis using Python** | BIIHR Jun 2026
- **30-Day Webinar Series on Data Analytics** | Gobeshona Learning Academy Sep 2026

Achievements

- **Champion** | 1st National Robotics Contest (College Level) Mar 2018
 • 1st of 11 teams • BDT 100,000 prize • fast-track entry into GP Accelerator.
- **Best Young Innovator** | Digital Innovation Fair Feb 2018
- **Honorable Mention** | National Robotech Festival Nov 2017
 • Energy & Environment • ceremony attended by the former U.S. Ambassador.

Languages

Bangla (Native) • English (IELTS 7.0 Overall · Speaking 7.5) • Touch Typing (55+ WPM)

References

Dr. Shafiun Nahin Shimul
 Professor & Director
 Institute of Health Economics
 University of Dhaka, Dhaka, Bangladesh
 ☎ +880 1817-530-853
 ✉ shafiun.ihe@du.ac.bd

Prof. Dr. Sharmeen Mobin Bhuiyan
 Institute of Health Economics
 University of Dhaka, Dhaka, Bangladesh
 ☎ +880 1772-684-108
 ✉ sharmeenmbhuiyan.ihe@du.ac.bd