

SHAHREEN SALIM AUNTI

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New York, USA

EDUCATION

Stony Brook University, NY Ph.D. in Computer Science Advisor: Dr. Klaus Mueller Research Area: Visual Analytics and Human-Centered AI Relevant Coursework: Data Visualization, Data Science, Human Computer Interaction, Analysis of Algorithms.	August, 2020 - Present GPA: 3.97/4.00
University of Dhaka, Bangladesh M.Sc. in Computer Science & Engineering	July, 2018 - February, 2020
University of Dhaka, Bangladesh B.Sc. in Computer Science & Engineering	January, 2014 - December, 2017

WORK EXPERIENCE

Research Assistant at Stony Brook University Advanced the understanding of human causal beliefs and language models' perception of color space by developing automated visualization tools and conducting empirical studies, leading to publications at CSCW and EMNLP.	June, 2022 - Present
Teaching Assistant at Stony Brook University · Assisted in teaching courses CSE 518 (Foundations of HCI) and CSE 564 (Visualization and Visual Analytics). · Provided feedback and grading for student projects involving data visualization and Python-based analysis.	August, 2021 - May 2022
Lecturer at Daffodil International University · Taught Object-Oriented Programming (OOP) and conducted lab sessions for hands-on coding in Java.	May, 2019 - August, 2019
Lecturer at Bangladesh University of Business and Technology · Delivered lectures and supervised labs for courses in Structural Programming and Computer Networks.	February, 2018 - May, 2018

LANGUAGES & SKILLS

Programming Languages:	Python, JavaScript, Java, C, C++, PHP (basic)
Frameworks and Libraries:	D3.js, PyTorch, Keras
Tools:	Git, AWS (basic), Linux

PUBLICATIONS

Belief Miner: A Methodology for Discovering Causal Beliefs and Causal Illusions from General Populations <i>Shahreen Salim, Md Naimul Hoque, Klaus Mueller</i>	(CSCW 2024)
Analyzing Film Adaptation through Narrative Alignment <i>Tanzir Pial, Shahreen Salim, Charuta Pethe, Allen Kim, Steven Skiena</i>	(EMNLP 2023)
End-to-End Speech Synthesis for Bangla with Text Normalization <i>Tanzir Pial, Shahreen Salim, Shabbir Ahmed, Hasnain Heickal</i>	(CSII 2018)

PROJECTS

- *Belief Miner* - Developed a crowdsourcing tool to analyze causal beliefs and illusions using data from 101 MTurk and Prolific participants, revealing insights for cognitive psychology and healthcare. (*Python, JavaScript, D3*)
- *Concept2Color* - Created an interactive web tool that generates semantically resonant colors for concepts using language models like Word2Vec and GPT-4. (*PyTorch, JavaScript, D3*)

- *Visual Analytics Dashboard* - Built a dashboard to visualize the impact of COVID-19 on mental health in Bangladesh, enabling researchers to extract key trends from large datasets. ((*Python, JavaScript, D3*))
- *ClassBuddy* - Developed a mobile app for real-time feedback to primary school teachers, tested in live classroom settings to improve teaching efficiency. (*Android Studio*)
- *Traffic Delay Analyzer* - Designed a system to predict network delays using machine learning and Knowledge-Defined Networking, achieving improved delay prediction accuracy. (*PyTorch, JavaScript, D3*)
- *Recommender System* - Developed a book recommendation system leveraging social media activity, enhancing accuracy with user-based collaborative filtering. (*Python, Keras*).

AWARDS AND SERVICE

Inclusive Computing Fellow, Stony Brook University

March 2022 - May 2024

- Twice selected as one of six fellows improving instructional practices in the Computer Science department.
- Developed and led workshops on inclusivity in computing, improving pedagogical methods for over 100 new teaching assistants.

Vice President of Women in PhD Club, Stony Brook University

August 2022 - September 2024

- Organized various events to foster connections and promote a supportive environment for women PhD students.
- Liaised with the administration to address concerns and foster a safe environment for club members.

Ranked 4th at National Girls' Programming Contest, Bangladesh

2016

REFERENCES

Dr Klaus Mueller
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 Stony Brook University, Stony Brook, NY 11794
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