NAZRUL HUDA SHANTO

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 https://github.com/nazrulhuda https://www.facebook.com/ctg.nhs/

 https://www.researchgate.net/profile/Nazrul-Huda-Shanto

EDUCATION

BRAC University   **Dhaka, Bangladesh**
Bachelor of Science -Compute Science; GPA: 3.36   *May 2018 - August 2022*
Courses: *Programming Language I, Programming Language II, Data Structures, Algorithms, Operating Systems, Software Engineering, Programming for the Internet, Data Science for Practitioners, Database Systems, Cloud Computing, System Analysis and Design.*

Chittagong College   **Chittagong, Bangladesh**
Higher Secondary Certificate -Science; GPA: 5   *2017*
Chittagong Collegiate School   **Chittagong, Bangladesh**
Secondary School Certificate -Science; GPA: 5   *2015*

EXPERIENCE

BRAC University   **Remote**
Undergraduate Research Assistant   *August 2020 - Present*
I am currently working under the supervision of Jannatun Noor (https://sites.google.com/site/jannatun0abigzero/home) from BRAC University, and Prof. Dr. A. B. M. Alim Al Islam (https://sites.google.com/site/abmalimalislam/home) from Bangladesh University of Engineering and Technology.

- Faster Image Retrieval in Cloud System: *Libjpeg for Customizing Progressive Jpeg images on Ubuntu, Skimage for result analysis*
- Indigenous Developement in Isolated CHT: *Fieldwork in obscure Andharmanik, Quantitative questionnaire for data collection, SPSS for data Analysis, Logistic Regression to compare technological scenario and usage.*
- Indigenous Childrens Education: *Descriptive analysis to find barriers, Made multiple Prototypes using Iterative Participatory from stakeholders. Providing educational materials to indigenous children with the designed system.*

PROJECTS

BRACU-ResearcherHub | *Django, Heroku, Bootstrap, PostgreSQL*   **May 2022**
- Social media for BRAC University researchers to find collaborators. Researchers can create separate research labs within specific research areas. Interested individuals can join and comment on the lab. An efficient way to find next research collaborator.
- Used Django for backend and HTML, CSS and, Bootstrap for frontend. Deployed on Heroku for public use.

Imago | *Python, Tkinter, Opencv*   **Feb 2022**
- Beautify your pictures by using filters, cropping, rotating, and lots of other other features.
- Used Opencv to transform images and TKinter to create the Graphical User Interface.

Dom Manipulation Project | *Javascript*   **Oct 2021**
- Used Javascript to create real life useful tools like Random Quote Generator, Weight Converter, Number Calculator, Text Editor. Deployed on github for public use.

TECHNICAL SKILLS

Languages: Java, Python, C++, HTML/CSS, JavaScript, SQL.
Technologies/Frameworks: Django, GitHub, Linux, SPSS, Heroku.
Developer Tools: VS Code, Pycharm.

PUBLICATIONS

- J. Noor, **M. N. H. Shanto,** J. J. Mondal, M. G. Hossain, S. Chellappan and A. B. M. A. A. Islam, "Orchestrating Image Retrieval and Storage over A Cloud System," in *IEEE Transactions on Cloud Computing*, doi: 10.1109/TCC.2022.3162790.
- N. Rashid, J. Saha, R. I. Prova, N. Tasfia, **M. N. H. Shanto,** J. Noor, "Towards Devising a Fund Management System Using Blockchain," in *International Journal of Computer Science & Information Technology (IJCSIT)*, **In Press**. #
- J. Noor, **M. N. H. Shanto,** J. J. Mondal, M. G. Hossain, S. Chellappan and A. B. M. A. A. Islam, "Orchestrating Image Retrieval and Storage over A Cloud System," in *8th International Conference on Networking, Systems and Security (NSysS 2021)*, doi: 10.13140/RG.2.2.16024.32008.*

- J. Noor, T. Azhar, S. S. Karmakar, **M. N. H. Shanto,** F. E. Jannat, S. M. B. Hossain, and A. B. M. A. A. Islam, "Leveraging Pre-Primary Education of Indigenous Communities in Bangladesh through Participatory and Iterative Development of Online Resources.," in *Information Technology for Development,* **In Review.**
- J. Noor, **M. N. H. Shanto,** M. G. Z. A. Husna, and A. B. M. A. A. Islam, "Darkness under The Lamp: Shedding Light over Digital Divide And Its Consequences in The Little-Known Indigenous Communities Living over mountains in Bangladesh," in *CHI '23: CHI Conference on Human Factors in Computing Systems,* **In Submission.**
- F. F. Khan, N. M. Hossain, **M. N. H. Shanto**, S. B. Anwar and J.Noor, "Mitigating DDoS Attacks Using a Resource Sharing Network" in *2022 9th International Conference on Networking, Systems and Security ,* **In Submission.**
- **M. N. H. Shanto,** J. Noor, M. G. Z. A. Husna, and A. B. M. A. A. Islam, "Digital Usage Divide and Outcome Outcome Divide in The Little-Known Indigenous Communities Living over mountains in Bangladesh " in *Information Technology for Development,* **In Review.**

*Poster, #Also, got accepted in 5th International Conference on Data Science and Information Technology (DSIT 2022), but not published.

Leadership

Clubbing Experience	**Spring 2020 – Spring 2021**
Assistant Secretary - BRAC University Cultural Club	*BRAC University*
Presentation	**December 23, 2021**
Research Poster Author	*2021 8th International Conference on Networking, Systems and Security, December 21-23, 2021*

Participated and Presented poster of *"Orchestrating Image Retrieval and Storage over A Cloud System"* in *8th International Conference on Networking, Systems and Security, December 21-23, 2021*

Extracurricular

- Feautured in a *TVC for Airtel* . The advertisement was produced by *Little Big House* and *Asiatic MCL. Shayan Chowdhury Ornob* composed the song and it released on friendship day, 2022.
- Performed few live shows as a vocal artist in university club functions, restaurants and as well as wedding ceremonies.
- A pace bowling allrounder. Played in *RS (Residential Semester) Cricket Tournament.*