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Education	<p>PhD(Student) (Fall 2021 - Present) Department of Computer Science, The University of Alabama at Birmingham, Birmingham, AL, United States.</p> <p>Master of Science in Information Technology(Thesis Group) (2018) Institute of Information Technology, Jahangirnagar University, Bangladesh. CGPA: 3.67 (in the scale of 4.00), research covers 33.33% of total credit.</p> <p>Bachelor of Science in Information Technology (2016) Institute of Information Technology, Jahangirnagar University, Bangladesh. CGPA: 3.73 (in the scale of 4.00).</p>
Research Interest	<p>High Performance Computing Data Visualization Cloud Computing Software Engineering</p>
Bibliometrics	<p>Journal Article: 2, Conference Papers: 5 Citations: 63, h-index: 3 This bibliometric information was retrieved from Google Scholar Profile on 02/04/2022.</p>
Journal Articles	<p>[J2] Darshan Shimoga Chandrashekar, Santhosh Kumar Karthikeyan, Praveen Kumar Korla, Henalben Patel, Ahmedur Rahman Shoyon, Mohammad Athar, George J Netto, Zhaohui S Qin, Sidharth Kumar, Upender Manne, Chad J Crieghton, and Sooryanarayana Varambally, “UALCAN: An update to the integrated cancer data analysis platform”, In: <i>Neoplasia</i>. doi: 10.1016/j.neo.2022.01.001. Impact Factor: 5.71, Q1 Journal.</p> <p>[J1] Md Whaiduzzaman, Md. Razon Hossain, Ahmedur Rahman Shoyon, Shanto Roy, Aron Laszka, Rajkumar Buyya, and Alistair Barros, “A Privacy-preserving Mobile and Fog Computing Framework to Trace and Prevent COVID-19 Community Transmission”, In: <i>IEEE Journal of Biomedical and Health Informatics (J-BHI)</i>. doi: 10.1109/JBHI.2020.3026060. Impact Factor: 5.22, Q1 Journal.</p>
Conference Papers	<p>[C5], Md Whaiduzzaman, Alistair Barros, Ahmedur Rahman Shoyon, Md Razon Hossain, and Colin Fidge, “A Resilient Fog-IoT Framework for Seamless Microservice Execution”, In: <i>IEEE International Conference on Services Computing (SCC) - 2021</i>, pp. 213-221. doi: 10.1109/SCC53864.2021.00034</p> <p>[C4], Md Shahriare Satu, Md Khalilur Rahman, Maksud Alam Rony, Ahmedur Rahman Shoyon, Md Jane Alam Adnan, Koushik Chandra Howlader, and M Shamim Kaiser, “COVID-19: Update, Forecast and Assistant-An Interactive Web Portal to Provide Real-Time Information and Forecast COVID-19 Cases in Bangladesh”, In: <i>International Conference on Information and Communication Technology for Sustainable Development (ICICT4SD) - 2021</i>, pp. 456-460. doi: 10.1109/ICICT4SD50815.2021.9396786</p>

[C3] **Ahmedur Rahman Shovon**, Shanto Roy, Arnab Kumar Shil, and Tanjila Atik, “**GDPR Compliance: Implementation Use Cases for User Data Privacy in News Media Industry**”, In: *International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT) - 2019*, pp. 1-6. doi: 10.1109/ICASERT.2019.8934660

[C2] **Ahmedur Rahman Shovon**, Shanto Roy, Tanusree Sharma, and Md. Whaiduzzaman, “**A RESTful E-Governance Application Framework for People Identity Verification in Cloud**”, In: *International Conference on Cloud Computing - 2018*, Seattle, USA. doi: 10.1007/978-3-319-94295-7_19

[C1] Shanto Roy, **Ahmedur Rahman Shovon** and Md. Whaiduzzaman, “**Combined approach of Tokenization and Mining to secure and optimize Big Data in Cloud Storage**”, In: *IEEE R10 Humanitarian Technology Conference (R10-HTC) - 2017*, pp. 83-88. doi: 10.1109/R10-HTC.2017.8288912

Reviewer Recognition

Journal: Sustainable Cities and Society (SCS)
Impact Factor: 7.587, Publisher: Elsevier.

Research Experience

01/2016 - 12/2018: **IIT, Jahangirnagar University, Dhaka, Bangladesh.**
Research Assistant, Mobile Cloud Computing and Big Data Research Group(MCCBD).
 Developed RESTful E-Governance application framework for identity verification using deep learning in cloud [C2].
 Applied combined approach of tokenization and mining to secure and optimize Big Data in cloud storage [C1].

Teaching Experience

01/2016 - 12/2016: **IIT, Jahangirnagar University, Dhaka, Bangladesh.**
Teaching Assistant, Operating System Lab.

Academic Awards and Honors

2021: Blazer Graduate Research Fellowship in the Computer Science department at the University of Alabama at Birmingham
 2016-2017: National Science and Technology (NST) Fellowship, Ministry of Science and Technology, Bangladesh for Masters Research
 2011-2015: University Merit Scholarships at undergraduate level
 2011: National Merit Scholarship for Higher Secondary Certificate examination
 2010: Champion in higher secondary category at Bangladesh Mathematical Olympiad

Technical Skills

Advanced: Python, JavaScript, SQL, PHP, Git, JIRA, Bash, HTML, CSS.
Intermediate: Java, C++, AWS, NoSQL, REST API Design, LaTeX.
Basic: C#, Azure, GCP, Openshift, Subversion, Openstack.
CI/CD: Docker, Pipelines, Jenkins, Travis CI.

Professional Experience

06/2019 - 08/2021: **ICT Division, Government of Bangladesh.**
Assistant Programmer, Department of Information & Communication Technology.

 12/2017 - 06/2019: **Cefalo Bangladesh Ltd.**
Software Engineer, NHST Global Team.

Problem Solving Experience

IEEEExtreme Programming Competition 9.0 Team: *JUITCodors*
 Achieved 7th position out of 2,477 teams in 24 October 2015.

IUPC - 2015

Achieved 1st position in *Intra University Programming Contest (IUPC)*, 2015.

Online Programming Challenges

([Hackerrank Profile](#)) ([UVa Profile](#))

Solved 1000+ challenges in Hackerrank, UVa Online Judge, Codeforces, and Leetcode.

Community Contributions

Contribution in StackOverflow

Username: [arsho](#)

Gained 11000+ reputation in *StackOverflow* where developers learn and build careers.

Contribution in Github

Username: [arsho](#)

Contributor and maintainer of several popular open source projects in *Github*.

Python Package Author

Username: [arsho](#)

Developed *Bangla*, *AutoLike*, *Opener*, and *CopyUSB* Python PyPI indexed packages.

Webmaster

05/2015 - 10/2016

IEEE Student Branch, Jahangirnagar University, Dhaka, Bangladesh.

References

Dr. Sidharth Kumar

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Dr. Md Whaiduzzaman

Associate Professor, Institute of Information Technology,
Jahangirnagar University, Dhaka, Bangladesh.
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