AHMEDUR RAHMAN SHOVON

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Education

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.

Bachelor of Science in Information Technology   (2016)
Institute of Information Technology, Jahangirnagar University, Bangladesh.
CGPA: 3.73 (in the scale of 4.00).

Research Interest

Machine Learning
Edge Computing
Software Engineering

Bibliometrics

Journal Article: 1, Book Chapter: 1, Conference Papers: 2
Citations: 24, h-index: 2
This bibliometric information was retrieved from Google Scholar Profile on 02/11/2020.

Journal Articles

[**J1**] Md Whaiduzzaman, Md. Razon Hossain, **Ahmedur Rahman Shovon**, 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: *IEEE Journal of Biomedical and Health Informatics (J-BHI)*. doi: 10.1109/JBHI.2020.3026060. Impact Factor: 5.22, Q1 Journal.

Book Chapters

[**B1**] **Ahmedur Rahman Shovon**, Shanto Roy, Tanusree Sharma, and Md. Whaiduzzaman, "**A RESTful E-Governance Application Framework for People Identity Verification in Cloud**", In: *Luo M., Zhang LJ. (eds) Cloud Computing – CLOUD 2018. Lecture Notes in Computer Science, vol 10967. Springer, Cham. https://doi.org/10.1007/978-3-319-94295-7_19.*

Conference Papers

[**C2**] **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

[**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

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 in cloud [B1].
Applied combined approach of tokenization and mining to secure and optimize Big Data in cloud storage [C1].

Teaching Experience	01/2015 - 12/2015: **IIT, Jahangirnagar University, Dhaka, Bangladesh**. *Teaching Assistant*, Operating System Lab.
Academic Awards and Honors	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 - ongoing: **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	**IEEEXtreme Programming Competition 9.0** Team: *JUIITCoders* 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 8300+ 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.
English Proficiency	**IELTS: 7.5** (Listening-8.5, Reading-8.5, Writing-6.0, Speaking-7.0)
References	**Dr. Md Whaiduzzaman** Associate Professor, Institute of Information Technology, Jahangirnagar University, Dhaka, Bangladesh. Email: wzaman@juniv.edu, Tel: +8801724874449 **Dr. M. Shamim Kaiser** Professor, Institute of Information Technology, Jahangirnagar University, Dhaka, Bangladesh. Email: mskaiser@juniv.edu, Tel: +8801711932323