Abdullah Al-Mamun, *Ph.D.*

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🌐 https://aalmamuncse.github.io/
🌐 http://scholar.google.com/citations?user=PpBDA1cAAAAJ&hl=en

Employment

2022 – Present	🔖	**Assistant Professor.** Augusta University.
2018 – 2022	🔖	**Graduate Research Assistant.** University of Nevada, Reno.
	🔖	**Graduate Teaching Assistant.** University of Nevada, Reno.
2020	🔖	**Summer Intern.** Moka Blox LLC.
2019	🔖	**Summer Intern.** Lawrence Berkeley National Laboratory.
2015 – 2017	🔖	**Senior Lecturer.** Daffodil International University.
2014 – 2015	🔖	**Lecturer.** American International University-Bangladesh.
2008 – 2010	🔖	**Software Engineer.** PrimeTech Solutions Ltd.

Education

2018 – 2022	🔖	**Ph.D. in Computer Science and Engineering.** University of Nevada, Reno.
2010 – 2013	🔖	**Joint M.Sc. in Computer Science (Double Degree).** University of Trento, Italy & RWTH Aachen University, Germany.
2005 – 2008	🔖	**B.Sc. in Computer Science and Engineering.** American International University-Bangladesh.

Publications

Conference Proceedings

1. **Al-Mamun, Abdullah**, Shen, H., & Zhao, D. (n.d.). Echain: Securing computer forensics through privacy-preserving consortium blockchains., NDSS 2023 (under review).

2. **Al-Mamun, Abdullah**, Shen, H., & Zhao, D. (2022). Dean: A lightweight and resource-efficient blockchain protocol for reliable edge computing., Proceedings of the IEEE International Parallel & Distributed Processing Symposium (IPDPS).

3. **Al-Mamun, Abdullah**, Yan, F., & Zhao, D. (2021a). Baash: Efficient and reliable blockchain-as-a-service for hpc systems, 2021 ACM/IEEE International Conference for High Performance Computing, Networking, Storage, & Analysis (SC).

4. **Al-Mamun, Abdullah**, Yan, F., & Zhao, D. (2021b). Scichain: Blockchain-enabled lightweight and efficient data provenance for reproducible scientific computing, 2021 IEEE 37th International Conference on Data Engineering (ICDE).

5. Xinying, W., **Al-Mamun, Abdullah**, Yan, F., & Zhao, D. (2019). Blocklite: Toward accurate and efficient emulation of public blockchains in the cloud, 2019 International Conference on Cloud Computing.

6   **Al-Mamun, Abdullah**, Li, T., Sadoghi, M., & Zhao, D. (2018). In-memory blockchain: Toward efficient andtrustworthy data provenance for hpc systems., Proceedings of the IEEE International Conference on Big Data, Seattle, USA.

7   **Al-Mamun, Abdullah**, Wang, K., & Liu et al., J. (2018). Dvm: Scaling out virtual memory in userspace, Proceedings of the 47th International Conference on Parallel Processing, NY, USA.

8   Niu, Y., **Al-Mamun, Abdullah**, & et al., T. L. (2018). Toward scalable analysis of multidimensional scientific data: A case study of electrode arrays., Proceedings of the IEEE International Conference on Big Data, Seattle, USA.

9   Wang, J., **Al-Mamun, Abdullah**, & Li et al., T. (2018). Toward performant and energy-efficient queries in three-tier wireless sensor networks. (42:1–42:10). Proceedings of the 47th International Conference on Parallel Processing, NY, USA.

Journal Articles

1   Habib, M. T., **Al-Mamun, Abdullah**, Rahman, M. S., Siddiquee, S. M. T., & Ahmed, F. (2018). An exploratory approach to find a novel metric based optimum language model for automatic bangla word prediction. *International Journal of Intelligent Systems and Applications*, *10*(2), 47.

2   **Al-Mamun, Abdullah**, & Noori, S. R. H. (2016). Vismarkmap–a web search visualization technique through visual bookmarking approach with mind map method. *International Journal of Advanced Computer Science and Applications*, *7*(11).

3   **Al-Mamun, Abdullah**, Gandhi, D., & Noori, S. R. H. (2015). Generating representative sets and summaries for large collection of images using image cropping techniques and result comparison, *International Journal of Advanced Computer Science and Applications*.

Posters

1   **Al-Mamun, Abdullah**, Dai, J., Xu, X., Sadoghi, M., Shen, H., & Zhao, D. (2020). *Dean: A blockchain-inspired consensus protocol enabling trustworthy edge computing*. Network & Distributed System Security Symposium (NDSS).

2   **Al-Mamun, Abdullah**, Liu, J., Li, T., Koziol, Q., Zhai, Z., Qian, J., … Zhao, D. (2020). *Reflector: A fine-grained i/o tracker for hpc systems*. Proceedings of the 25th ACM SIGPLAN Symposium on Principles & Practice of Parallel Programming (PPoPP).

3   **Al-Mamun, Abdullah**, Li, T., Sadoghi, M., Jiang, L., Shen, H., & Zhao, D. (2019). *Hpchain: An mpi-based blockchain framework for data fidelity in high-performance computing systems*. ACM/IEEE International Conference for High Performance Computing, Networking, Storage, & Analysis (SC).

Grants & Awards

2021	**Outstanding Graduate Student Scholarship.** Awarded by UNR.
2020	**Outstanding Graduate Student Scholarship.** Awarded by UNR.
2019	**GSA Travel Grant.** Awarded by UNR.
	Best Paper Award. Awarded by CLOUD.
2018	**GSA Travel Grant.** Awarded by UNR.
2014	**Smart Campus Research Grant.** Awarded by Smart Campus Project, TrentoRise.
	Premio De Merito. Awarded by University of Trento, Italy upon completion of M.Sc.

Grants & Awards (continued)

2009   ▉   **Summa Cum Laude.**   Awarded gold medal by American International University-Bangladesh upon completion of B.Sc.

Scholarships

2018   ▉   **Ph.D.** Awarded by UNR.

2021   ▉   **Masters.** Awarded by Erasmus Mundus, European Masters in Informatics (EUMI).