

**Kazi Rashedul Islam**

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**Education****Master of Artificial Intelligence (Research Stream)**

*Monash University, Melbourne, Australia*

Feb 2024 – Dec 2025

**WAM:** 80 (H1) | **CGPA:** 3.5

**Bachelor of Science in Computer Science and**

**Engineering**

*University of Dhaka, Bangladesh*

Jan 2012 – Jan 2016

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**Current Research**

Working on AI-assisted pollination systems using real-time stimulus-response modeling of honeybee behavior. The project explores the use of various sensors to optimize artificial pollination dynamics and measure attraction patterns.

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**Research Experience****Research Assistant**

*Green Networking Research Group, University of Dhaka*

Jul 2015 – Sep 2016

Developed Android modules for renewable energy optimization in smart IoT devices. Co-authored a paper published at IEEE ICIEV 2016. Applied EWMA-based predictions and max-min fairness algorithms for energy budget control.

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**Publication**

K. R. Islam, S. Tabassum, T. Adhikary, M. A. Razzaque,

**“Parsimonious Renewable Energy Management Policies for Smart IoT Devices,”**

*IEEE 5th International Conference on Informatics, Electronics and Vision (ICIEV), 2016*

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**Professional Experience****Sessional Academic (Teaching Associate)**

*Faculty of IT, Monash University, Melbourne* | July 2025 – Current

Conduct lab sessions, mentor postgraduate students, mark assignments and exams, and provide academic consultations. Facilitate group activities and support course coordinators in improving teaching materials and assessments.

**Assistant Director (ICT)**

*Bangladesh Bank, Dhaka* | Nov 2020 – Feb 2024

Maintained the Interoperable Digital Transaction Platform used by 15+ financial institutions. Delivered software updates, investigated system errors, conducted developer-level testing, and created documentation. Currently on official education leave since Feb 2024.

**Software Engineer**

*Genuity Systems Ltd., Dhaka* | Nov 2018 – Nov 2020

Built Bengali speech-to-text language models and developed training scripts for grapheme-to-phoneme systems. Handled time-series forecasting modules for contact center operations.

**Software Engineer**

*IPvision Canada Inc., Dhaka* | Jan 2017 – Oct 2018

Worked on iOS development for the ringID platform. Designed UIs using Interface Builder, conducted regression and sanity testing, collaborated with QA and Android/Web teams to ensure platform consistency.

**Software Engineer**

*Samsung R&D Institute, Dhaka* | Sep 2016 – Dec 2016

Contributed to the Samsung Smart Health project after completing internal iOS certification

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**Technical Skills**

**Languages:** Python, Java, Objective-C, Swift, C, SQL

**Web:** HTML, CSS

**Databases:** MySQL, Oracle, Microsoft SQL Server, Core Data

**Tools & IDEs:** Git, PyCharm, Visual Studio, Xcode, Android Studio, Overleaf.

**Platforms:** Windows, macOS, Linux

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**Other Skills**

Demonstrates strong analytical and debugging capabilities, with the ability to quickly learn and adapt to new tools and environments. Experienced in leading teams and performing under pressure in fast-paced settings. Has solved over 70 algorithmic problems on platforms like UVA and LightOJ, including advanced topics such as DFS, BFS, and backtracking.

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**Leadership & Involvement**

Actively engaged in student leadership activities during undergraduate studies. Served as General Secretary of the CSEDU Students' Club, Vice Treasurer of the Dhaka University Science Society (DUSS), and was a founding member of the Dhaka University Career Club (DUCC), contributing to event planning, student outreach, and academic development programs.

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**Volunteer Experience****Student Mentor**

*Faculty of IT, Monash University* | Feb 2025 – Present

Responsible for guiding and supporting over 10 new postgraduate students, advising them on academic planning and personal development, sharing real-life experiences, and contributing to student-centered events such as workshops and technical seminars.

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**Awards and Scholarships**

- Fully funded Scholarship awarded by Bangladesh Bank for postgraduate study at Monash University.
- Governor's Appreciation from the Governor of Bangladesh Bank for outstanding performance in a national cybersecurity contest organized by the Ministry of ICT, Bangladesh

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**References**

Available upon request.