

Kazi Rashedul Islam
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Education

Master of Artificial Intelligence (Research Stream) <i>Monash University, Melbourne, Australia</i> Feb 2024 – Dec 2025 WAM: 80 (H1) CGPA: 3.5	Bachelor of Science in Computer Science and Engineering <i>University of Dhaka, Bangladesh</i> 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.

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.

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

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

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

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.

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.

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.

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

References

Available upon request.