Pial Kanti Samadder

Software Engineer

- pialkanti.samadder@gmail.com (*Primary*)
- pial.ks@samsung.com (*Work*)
- +880-1743487688

- https://pialkanti.github.io/ *(Personal Website)*
- https://www.linkedin.com/in/pial-kanti/
- https://github.com/PialKanti

Professional Experience

Samsung R&D Institute Bangladesh (SRBD), *Software Engineer*   **Apr 2018 – Present**

111, Bir Uttam CR Dutta Rd, Dhaka-1205

- Developed applications for windows platform using UWP framework which uses .NET Classes and WinRT APIs.
- Integrated data sync functionalities with mobile platforms for giving Multi-Device experience to users.
- Developed customized and responsive UI layouts for different screen size devices in windows platform.

NG Solutions System Limited, *Junior Software Engineer*   **Jul 2017 – Apr 2018**

House: 554, Road: 9, Adabor Main Rd, Dhaka 1207

- Designed and developed web applications using PHP based Laravel framework.

Research Experience

Title: A Convolutional Neural Network based Approach to Detect Handwritten Bangla Characters /

Undergraduate thesis

Achievement:

- Recognized Bangla Handwritten character from given input image.
- Used Convolutional Neural Network (CNN) for training handwritten character classification model.

Education

B.Sc. in Computer Science & Engineering   **2013 - 2017**

Khulna University of Engineering & Technology (KUET), Khulna, Bangladesh

CGPA: 3.27 / 4.00

Standardized Test Scores

Toefl iBT – 9th October, 2021

Total	Reading	Listening	Speaking	Writing
98	23	27	24	24

Graduate Record Examination (GRE) – 23th August, 2021

Total	Verbal	Quantitaive	Analytical
305	145	160	3.5

Certification

LICT Top-Up IT Training on Basic and Advance Java(J2EE)   **October 2016**

Conducted by Ernst & Young LLP, India under project of Bangladesh Computer Council (BCC)   *See credential*

Certified by George Washington University, USA

Technical Skills

Programming Language	:	C#, Java, C, C++, Python	
Database	:	SQLite, MySQL, Oracle	
Others	:	UWP, Android, PHP, JavaScript	
Version Control System	:	Git, Perforce	

Notable Projects

Samsung Notes (Windows)   **2019 – Present**

See in Microsoft store

- In charge of several modules and engaged in development from scratch to commercialization
- Worked on continuous data sync between multiple devices, developed adaptive UI controls
- Worked on SDK development using C# and C++/WinRT

Technologies Used: *C#, C++/WinRT, Xaml, UWP framework*

Call & Message Continuity (CMC)   **2018 – 2019**

About CMC

- Developed Call sync feature to give users multi-device experience
- Implemented call pull scenarios between two or more devices
- Wrote unit test for windows UWP application

Technologies Used: *C#, Xaml, UWP framework*

KhudeBarta   **August 2015**

Project Link

- An android app to send 7 bit Character Encoded compressed Bangla SMS for sending 56.25% more Bangla characters.

Technologies Used: *Java, Android, Character Encoding*

Honor and Awards

- Achieved 4th place in Project Showcasing events in *IUT 7th National ICT festival (2015)* for developing "KhudeBarta" app.
- Received Technical Scholarship in KUET in 3rd year based on academic semester result.

Volunteer Experience

Event Coordinator   **March 2017**

National High School Programming Contest – NHSPC, Khulna, Bangladesh

Organizer   **May 2015**

Intra KUET Olympiad of Mathematics, Khulna, Bangladesh

References

Dr. Kazi Md. Rokibul Alam	**Debashis Maitra**
Professor	*Staff Engineer*
Department of Computer Science and Engineering	Samsung R&D Institute Bangladesh (SRBD)
Khulna University of Engineering & Technology(KUET)	111, Bir Uttam CR Dutta Rd, Dhaka-1205
Email: rokibcse@yahoo.com	Email: deba.m@samsung.com