



Rahul Deb Mondal

Date of birth: 16/09/1998 | **Nationality:** Bangladeshi | **Phone number:**

(+880) 1905436383 (Mobile) | **Email address:** cserahulmondal@gmail.com | **LinkedIn:**

<https://www.linkedin.com/in/rahul-mondal-815981191/> | **GitHub:** <https://github.com/rahuldm/> |

Address: Sonadanga,Khulna,Bangladesh, 9100, Khulna, Bangladesh (Home)

EDUCATION AND TRAINING

01/02/2019 – 01/02/2023 Khulna, Bangladesh

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING Northern University of Business and Technology Khulna

Website <https://nubtkhulna.ac.bd> |

Field of study Mathematics,Neural Network,Pattern Recognition,Artificial Intelligence, Expert Systems,Mobile Computing,Statistics,Networks,Programming, Physics,Object-Oriented Programming, Algorithm ,Software Development,Data Structure, Communication,Government and Sociology,Economics,Operating System,Computer Architecture,Embedded System

Final grade 3.821/4.000 | **Level in EQF** EQF level 6 | **Type of credits** Bangladesh Credit System | **Number of credits** 152 |

Thesis Custom Convolutional Neural Network-Based Multiclass Skin Lesion Classification

WORK EXPERIENCE

01/06/2023 – 01/12/2023 Khulna, Bangladesh

JUNIOR MOBILE APP DEVELOPER APPSTICK

- Built cross-platform mobile apps using Flutter and Dart.
- Implemented RESTful APIs for seamless data integration, improving app performance.
- Collaborated with UI/UX designers for aesthetic, user-friendly designs using Figma.
- Used GetX for state management, Firebase for authentication, and conducted unit testing for quality assurance.

Website <https://appstick.com.bd/>

27/08/2022 – 17/09/2022 Khulna, Bangladesh

TRAINEE ENGINEER (INTERNSHIP-MOBILE APP DEVELOPMENT) APPSTICK

- Worked on mobile app development using Flutter, with a focus on API integration and debugging.

CURRENT Khulna, Bangladesh

RESEARCH ASSISTANT NORTHERN UNIVERSITY OF BUSINESS AND TECHNOLOGY KHULNA

- Assisting in research focused on AI,ML, Data Science

01/01/2023 – CURRENT Khulna, Bangladesh

PRIVATE TUTOR HOME TUTORING

- Teach C, C++,Python and Basic courses for CSE students.
- Tech ICT for Intermediate Students

RESEARCH EXPERIENCE

Custom Convolutional Neural Network-Based Multiclass Skin Lesion Classification

Northern University of Business and Technology, Khulna | [Paper Link](#)

- Developed custom CNN models for skin lesion classification using deep learning.

- Data preparation (image dataset processing , class balancing)..
 - Implemented Evaluation Matrix and confusion matrix for performance evaluation
- Supervisor: Most. Julakha Jahan Jui

CURRENT

Luffa Aegyptiaca Disease Detection Using KNN and Random Forest (Ongoing)

Northern University of Business and Technology, Khulna

- Leading development of leaf disease detection models using KNN and Random Forest.
- Collaborated on data preparation, custom ANN development, and visualization of results.
- data preparation (image dataset processing, class balancing), pre-trained model testing, Gradcam/Lime function implementation, and performance visualization (graphs, confusion matrix)
- Preparing a paper for presentation at an upcoming IEEE conference

● **PROJECTS**

Projects

[Flutter PayPal Pay](#)

- A Flutter package for integrating PayPal payments.

[True Citizen](#)

- (Android app using Java) – Citizen Quiz App.

[Game Space](#)

- (Cross Platform app using Flutter) –Mobile game App

[RentAcar](#)

- Car rental website built using HTML, CSS, and PHP.

● **SOFTWARE DEVELOPMENT SKILLS**

Skills

Languages & Frameworks:C, C++, Java, Python, Dart, Flutter, GetX

Tools: Figma, Vs Code, Android Studio, Google Colab, Kaggle

Backend & Databases: Firebase, REST APIs

Research Field Skills: Statistics, Machine Learning, Image Processing, Computer Vision

Mobile Development: Flutter, Java

Web Development: HTML, CSS, PHP, JavaScript

Development Practices: Agile, Scrum, Unit Testing

● **HONOURS AND AWARDS**

Merit Scholarship – Northern University of Business and Technology

Inter-University Programming Contest - Participant – Northern University of Business and Technology

09/2019

Khulna University CSE Fest Programming Contest - Participant – Khulna University

● **EXTRA CURRICULUM ACTIVITIES**

Instructor: App Development

Taught about App Development and It's life cycle

Member

NUBTK Programming Club (2019-2023), Debating Club, and Cultural Club

Co-Organizer:

Programming Contest, Gaming Contest, Quiz, NUBTK (2023)