



AL-HELAL

Programmer

Computer & GIS Unit, AERS Division
Bangladesh Agricultural Research Council (BARC), Farmgate, Dhaka 1215
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1. Career Brief

AI researcher and educator with over 8.5 years of professional experience in data science, machine learning, and software engineering, currently pursuing an MSc in Educational Technology & Engineering (research-based). Passionate about developing AI-driven solutions for climate-resilient and sustainable agriculture, with research interests spanning Big Data analytics, deep learning, geospatial modeling, and precision farming systems. Seeking a postdoctoral or research leadership role in AI for Agriculture, aiming to bridge artificial intelligence, data science, and agricultural innovation to enhance food security and climate adaptation through interdisciplinary research.

2. Area of Expertise

Research Interests

- Data Science & AI-driven Big Data Analytics
- GIS, Remote Sensing
- Algorithmic Optimization for Large-Scale Datasets
- AI, Machine Learning & Deep Learning

3. Professional Experience

Designation	Organization	Service Period
Programmer	Bangladesh Agricultural Research Council	Jan 2023 ~ Present
Assistant Programmer	Probashi Kallyan Bank (PKB)	Nov 2021 – Jan 2023
Senior Officer	Dutch-Bangla Bank Ltd. (DBBL)	Mar 2019 – Nov 2021
Software Engineer	BJIT Ltd.	Jan 2018 – Mar 2019

4. Education

Degree/Study	University	Passing Year
MSc in Computer Science & Engineering	Islamic University, Bangladesh	2016
BSc in Computer Science & Engineering	Islamic University, Bangladesh	2015