

A. S. M. Montashir Fahim

Bogura | montashirfahim25@gmail.com | 01705287639

linkedin.com/in/montashir-fahim | github.com/montashirFahim | [Problem Solving Profile](#)

Education

Rajshahi University of Engineering & Technology

Jan 2020 - June 2025

BSc in Computer Science & Engineering

Programming Competitions & Achievements

• Codeforces	Specialist - Rating 1459
• SEC Inter-University Junior Programming Contest, 2022	27th/ 90
• UIU Inter-University Programming Contest 2025	76th/ 160
• SRBD Code Contest - 2024 (Round 1)	83rd/ 980
• ICPC Dhaka Regional Site 2023	121st/ 225
• ICPC Dhaka Regional Site 2024	141st/ 400

Problem Solving & Technical Contributions

Problem Solving

Feb 2020 - Present

- Solved over **2000** algorithmic problems.
- Participated in over **15 National Level & over 250 Online Programming Contests**.

Programming Contest Judge

• Gyanjam Intra RUET Programming Contest 2024 , Authored Problem: Palindromic Anagram.	Dec 2024
• Codesmash Intra RUET Programming Contest 2021 , Authored Problem: Cave & Tommy.	Mar 2023
• Codespark Intra RUET Programming Contest 2022 , Authored Problem: Zero is Hero.	Nov 2022

Defense Secretary, RUET Analytical Programming Lab.

Feb 2023 - July 2025

Academic Projects

Bad Board: Collaborative Whiteboard Application (Ongoing) | React.js, Django, Django REST Framework, Python Socket.IO, MongoDB, Redis

- Built a real-time collaborative whiteboard app using Django, Python Socket.IO, and React.js.

Social Media Demo Application | Flutter, Dart

- Built a Flutter app with email/password login, form validation, and role-based access control.
- Developed a post feed with creation, likes, and comments using clean architecture (domain/data/presentation), Bloc, GetIt, and a responsive UI. Backend work is ongoing.

Algorithm Visualizer | Python, Pygame

- Visualizes sorting algorithms such as **Insertion Sort** and **Quick Sort**, along with simulations of **DFS** and **BFS**.

Technical Skills

- **Programming Languages:** C, C++, Python, Java, HTML, CSS, JavaScript, Dart.
- **Database:** MySQL, MongoDB.
- **Frameworks/Libraries:** Flutter, React.js, Redux, Tailwind CSS, Express.js, Django, Keras, TensorFlow, PyTorch.
- **Tools & Platforms:** Git, GitHub, Node.js.
- Proficient in **Algorithms**, **Data Structures**, **Number Theory**, and **Deep Learning**.

Research & Publications

Tri Focus Net: A CNN-Based Model with Integrated Attention Modules for Pest & Insect Detection in Agriculture | Conference Paper, Springer | Keras, TensorFlow, NumPy, Scikit-learn

- Achieved over **94%** accuracy in detecting pests and insects.
- Combined Machine Learning, Deep Learning, and Transfer Learning to develop a hybrid model for agricultural pest detection.

BARTSumm: Bidirectional Encoder and Autoregressive Decoder Transformer-Based Scientific Text Abstractive Summarization | HuggingFace Transformer, Pytorch, Seaborn, Pandas

- Achieved strong summarization performance with BERTScore F1 of 0.859, ROUGE-L of 0.261, BLEU of 0.121, and METEOR of 0.290 on the test set.