

Munshi Touibur Rahman

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Objective

A highly driven Computer Science graduate with expertise in artificial intelligence, machine learning, data science, and cybersecurity. Passionate about applying advanced technologies to solve real-world challenges in healthcare, industrial optimization, and society at large. Committed to continuous learning and innovation, with a strong focus on research, automation, and AI-driven solutions that create meaningful impact.

Education

Bangladesh University of Business & Technology

Jan 2021 – DEC 2024

BSC in Computer Science

- CGPA: 3.42/4.0
- **Coursework:** :Data Structures & Algorithms, Database Management, Linear Algebra, Calculus, Artificial Intelligence, Internet of Things, Machine Learning, Neural Networks,Project Management, Pattern Recognition, knowledge Engineering & Statistics

Government Science College

Jul 2017 – June 2019

H.S.C in Science

- GPA: 4.83/5.0

Experience

Trainer

July 2024 – DEC 2024

AI Community BUBT

- Machine Learning and Deep Learning Trainer Credential id:BUBT-CSE-854-02-2025

Projects

Automated Tuberculosis Detection and Segmentation Using Lightweight CNN and U-Net Architectures

github.com/name/repo 

- Developed a custom lightweight CNN model achieving 99% accuracy for binary classification of tuberculosis from chest X-rays, outperforming pre-trained models like MobileNetV2, ResNet50, and VGG16.
- Implemented a U-Net-based segmentation model with 96% accuracy for precise localization of tuberculosis-affected areas, enhancing diagnostic capabilities.

Data Augmentation Using DC GAN

github.com/name/repo 

- Developed a data augmentation pipeline using Deep Convolutional Generative Adversarial Networks (DC-GAN) to enhance dataset diversity.
- Improved model generalization by generating high-quality synthetic data, reducing overfitting in deep learning applications.

NeXt Word Prediction Using RNN

github.com/name/repo 

- Implemented a Recurrent Neural Network (RNN) based model for next-word prediction, leveraging sequential text data.
- Utilized TensorFlow, Keras, and NLTK with LSTM-based architectures to enhance natural language processing and improve predictive accuracy.

Technologies

Languages: Python,JavaScript,C,C++,SQL

Machine Learning: TensorFlow, Scikit-learn, Data Preprocessing, Pytorch, Feature Engineering, Statistical Analysis

Tools: GoogleColab,kaggle,Wireshark, Metasploit,Microsoft Office Suite (Word,Excel, PowerPoint)

ExtraCurriculum Activities

AI Community BUBT
Co-Founder & Community Manager

Sep 2024 – Present

- Established the AI community, developed proposals, and structured operational guidelines.
- Recruited and mentored executive members to ensure smooth community operations.
- Lead the event management department, overseeing planning and execution.
- Successfully organized key initiatives, including:
 - AI Battle 2024 competition.
 - Two seminars on AI advancements and research.
 - A career tour and an industry visit to bridge academia and industry.

Shushaoner Jonno Nagorik,Rajbari
Communication Secretary
Chetona Parishod,GSC
Communication Secretary

Sep 2020 – Sep 2021

Jan 2018 – Apr 2029

Certifications

- **Trainer Of Machine Learning and Deep Learning**
Credential id:BUBT-CSE-854-02-2025

github.com/name/repo 