

MD. RASHED

B.Sc. (Engr.) in Information and Communication Engineering
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PROFILE SUMMARY



I received my B.Sc. in Information and Communication Engineering from Pabna University of Science and Technology. I have always been interested in academic, co-curricular and research activities. I have finished some government funded researches and innovation projects. I have published a research paper in peer-reviewed international journal. My research interests include Image processing, Deep learning, Machine learning, IoT and Robotics. Currently, I am looking for teaching position in university.

EXPERIENCE

EDUCATIONAL QUALIFICATION

-  **Bachelor in Science (Engineering), 2023** (Exam held-2025 [Due to COVID-19])
Pabna University of Science and Technology, Bangladesh
Department : Information and Communication Engineering
CGPA :
Position :
Thesis :
-  **Higher Secondary Certificate, 2019**
Charfasson Govt. College
CGPA : **4.58**
Group : Science
-  **Secondary School Certificate, 2017**
Osmangonj High School
CGPA : **4.82**
Group : Science

CERTIFICATION

-  **Deep Learning with Pytorch: Image Segmentation** – by Coursera Project Network
Issuing authority : Coursera
Credential ID : J9DDSNF5RK7U
-  **Python for Everybody (Specialization)** – by University of Michigan

Issuing authority : Coursera
Credential ID : 4VWXRCJBTJSA



Grow Your Business with Facebook Marketing – by Bright Skills Limited

Issuing authority : Bright Skills Limited.
Credential ID : 70dyz98k

RESEARCH GRANT

RESEARCH ARTICLES

1. Md. I. Hossain, Md. M. Islam, T. Nahrin, **M. Rashed**, and Md. A. Rahman, “Improving Speech Emotion Recognition and Classification Accuracy Using Hybrid CNN-LSTM-KNN Model,” International Journal of Research Publication and Reviews Journal homepage: www.ijrpr.com, vol. 5, 2024, Available: <https://ijrpr.com/uploads/V5ISSUE8/IJRPR32598.pdf>
2. **Md. Rashed**, S. Ahmad, and M. Shakil Hossain, “OPTIMIZING WASTE MANAGEMENT WITH IOT: BOOSTING EFFICIENCY AND PROMOTING SUSTAINABILITY,” International Research Journal of Modernization in Engineering Technology and Science, pp. 2582–5208, doi: <https://doi.org/10.56726/IRJMETS57390>.

SKILLS

Programming Language	Python, C, C++, Java, PHP, HTML, Java Script, MATLAB, Arduino
Database	Microsoft SQL Server, SQLite, MySQL
Operating System	Linux (Ubuntu), Windows
Web Framework	Django, Bottle, Flask, WordPress (CMS)
Computer Tools	Cisco Packet Tracer, MATLAB, Proteus Design Suite, PICkit, PyCharm, LateX, Microsoft Office, Libra Office

SCHOLARSHIPS

AWARDS

- **Best Idea Donor**, Innovation Showcase organized to implement e-Governance and Innovation Plan 2023-2024 under Annual Performance Agreement 2023-2024.

PROJECTS

- **IoT-Based Smart Waste Management System**
This project proposes an Internet of Things (IoT)-based smart trash cans observing the system, which can detect the current trash receptivity. The main goal of this project is to develop a smart garbage cleanup that helps to keep our environment clean and gives a distinctive impression to the senses
- **Design and Implementation of the Dual-Axis Solar Tracking System**
The capability of photovoltaic (PV) panel to generate energy approximately follows the intensity of the sunlight on the panel. A dual-axis solar programmable logical controller (PLC) based automatic tracking system and its supervisory and control system was designed and implemented.
- **Design of Smart Home Security System using Object Recognition and PIR Sensor**
This research aims to design and implement a home security system with the capability for human detection. The PIR sensor is installed on the Arduino and the webcam is mounted on Raspberry Pi 3. The Raspberry Pi 3 is used to process inputs from received sensors and process images for human detection. The PIR sensor detects the movement around the sensor to activate the webcam to capture a picture.
- **ICE Connect App: A Unified Information Portal for PUST ICE Department**
"ICE Connect" is an Android app developed for the Department of Information and Communication Engineering (ICE) at Pabna University of Science and Technology (PUST). It provides detailed profiles of all ICE students and faculty members, enabling easy access to academic information and contact details. The app fosters improved communication and collaboration within the department, streamlining interactions between students and teachers.

EXTRA-CURRICULAR ACTIVITIES

- Debating** I attended more than 20 debating sessions and Our team achieved 2 champion trophies.
- Scouting** I was a proud member of Bangladesh Scouts and I attended 3 scout camps and
- Volunteering**
- District School Team Manager at ICT Olympiad Bangladesh.
 - Campus Ambassador at Bangladesh Career Olympiad.
 - Coordinator of Volunteers at Solver Green (IT org)
- Cyclin** I like cycling and try to promote it for its eco-friendly nature. I have already ridden 600KM by cycling.

REFERENCE

Date: September 27, 2024
