

Saydul Akbar Murad  
Research Assistant at Universiti Malaysia Pahang

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Contact : +60139223792  
Official Email : [MCN2100@student.ump.edu.my](mailto:MCN2100@student.ump.edu.my)  
Email : [saydulakbarmurad@gmail.com](mailto:saydulakbarmurad@gmail.com)  
ResearchGate : <https://rb.gy/lgikbx>  
Google Scholar : <https://rb.gy/nojjzc>  
Git Hub : <https://github.com/Mmurrad>  
Publons : <https://rb.gy/s0mcks>

## EDUCATION

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Bachelor of Science in Information and Communication Engineering, 2020  
Noakhali Science and Technology University, Bangladesh.

Master of Science in Faculty of Computing, **(Last Semester)**  
Universiti Malaysia Pahang, Malaysia.

## RESEARCH INTEREST

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Machine Learning, Deep Learning, Neural Network, Cloud Computing.

## PUBLISHED & ACCEPTED RESEARCHS

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1. **Saydul Akbar Murad**, Abu Jafar Md Muzahid, and Zafril Rizal Bin M Azmi “**A Review on Job Scheduling Technique in Cloud Computing and Priority Rule Based Intelligent Framework**” in JKSU - Computer and Information Sciences. **(Published) (IF 8.839)**
2. **Saydul Akbar Murad**, ABU JAFAR MD MUZAHID and Apurba Adhikary “**AI Powered Asthma Prediction Towards Treatment Formulation: An Android App Approach**” in Intelligent Automation & Soft Computing. **(Published) (IF 3.41)**
3. Apurba Adhikary, Joy Bhuiya, **Saydul Akbar Murad**, Md. Bipul Hossain, K. M. Aslam Uddin, MD Estihad Faysal, Abidur Rahaman, Anupam Kumar Bairagi “**Performance Evaluation of Micro Lens Arrays: Improvement of Light Intensity and Efficiency of White Organic Light-Emitting Diodes**” in PLOS ONE. **(Published) (IF 3.752)**
4. Nusrat Jahan Prottasha, Abdullah Sami, MD Kowsher, **Saydul Akbar Murad**, Anupam Kumar Bairagi, Mehedi Masud, and Mohammed Baz “**Transfer Learning for Sentiment Analysis Using BERT Base Supervised Fine Tuning**” in Sensors. **(Published) (IF 3.847)**

5. Md. Kowsher, Anik Tahabilder, **Saydul Akbar Murad** “**Impact learning: A Robust machine learning algorithm**”. In ACM Conference. **(Published) (Best Paper Award) (Citation 18)**.
6. **Saydul Akbar Murad**, Zafril Rizal Bin M Azmi, Nusrat Jahan Prottasha, and Md Kowsher “**Computer-aided system for extending the performance of diabetes analysis and prediction**” is published at the conference of ICSECS - 2021. **(Published) (Citation 6)**
7. **Saydul Akbar Murad**, ABU JAFAR MD MUZAHID, Zafril Rizal Bin M Azmi and Imran Sunny “**Comparative study on job scheduling using priority rule and machine learning.**” in IEEE Conference 2021. **(Published) (Citation 3)**
8. Apurba Adhikary, **Saydul Akbar Murad**, Md. Shirajum Munir and Choong Seon Hong “**Edge Assisted Crime Prediction and Evaluation Framework for Machine Learning Algorithms**” 2022 International Conference on Information Networking (ICOIN). **(Citation 2) (Published)**
9. Md Shamimul Islam, Md Mahedi Hasan, Sohaib Abdullah, Jalal Uddin Md Akbar, N H M Arafat, **Saydul Akbar Murad** “**A deep Spatio-temporal network for vision-based sexual harassment detection**” in IEEE Conference 2021. **(Published)**
10. ABU JAFAR MD MUZAHID, Md. Abdur Rahim, **Saydul Akbar Murad**, Syafiq Fauzi Kamrulzaman and Md Arafatur Rahman “**Optimal Safety Planning and driving Decision-Making for Multiple Autonomous Vehicles: A learning Based Approach**” in IEEE Conference 2021. **(Citation 2) (Published)**
11. N H M Arafat, Md Ileas Pramanik, Abu Jafar Md Muzahid, Bibo Lu, Sumaiya Jahan and **Saydul Akbar Murad** “**A Conceptual Anonymity Model to Ensure Privacy for Sensitive Network Data**” in IEEE Conference 2021. **(Citation 2) (Published)**

## UNDER REVIEW RESEARCHS

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1. **Saydul Akbar Murad**, Zafril Rizal M Azmi, Abu Jafar Md Muzahid, Md. Murad Hossain Sarker and M.Saef Ullah Miah “**A New Priority Rule Cloud Scheduling Technique that Utilizes Gaps to Increase the Efficiency of Job Distribution**” in Computers in Industry.
2. Nusrat Jahan Prottasha, **Saydul Akbar Murad**, Abu Jafar Md Muzahid and Md. Kowsher “**A training-based algorithm for machine learning: Impact Learning**” in Expert Systems with Applications.
3. Abu Jafar Md Muzahid, Syafiq Fauzi Bin Kamarulzaman, Dr Md Arafatur Rahman, **Saydul Akbar Murad**, Md Abdus Samad Kamal and Ali H Alenezi “**Multiple Vehicle Cooperation and Collision Avoidance in Automated Vehicles: Survey and an AI-Enabled Conceptual Framework**” in Scientific Reports. **(Preprint Available)**

4. **Saydul Akbar Murad**, Apurba Adhikary, Anupam Kumar Bairagi, Bipul Hossain “**An Automated System to maintain the departmental activities: An android Application**” in the journal of Softwarex. (Preprint Available)
5. Mizanur Rahman, Sajib Debnath, **Saydul Akbar Murad**, Abu Jafar Md Muzahid, Apurba Adhikary, and Anupam Kumar Bairagi, “**Machine Learning-based summary extraction for Bangla text**” in Big Data and Cognitive Computing.
6. A K M Bahalul Haque, Abdullah Al Mahfuj Shaan, Tasfia Nausheen and **Saydul Akbar Murad** “**Security Attack Analysis and Countermeasures in 5G IoT Technology**” in 5G 2022.
7. MD. Monarul Islam, **Saydul Akbar Murad** and Apurba Adhikary “**The development and deployment of an online exam system: A web application**” in 4th International Conference on Sustainable Technologies for Industry 4.0.

## RESEARCH PROJECT

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### 1. StudentInfo

A native android application developed by using java for adding notice, course details, students' details, to take attendance, semester result, parents comment etc. <https://github.com/Mmurrad/StudentInfo>

### 2. Impact learning Implementation

Impact Learning is a robust machine learning algorithm, which is being used widely to achieve more advanced results on many machine-learning related challenges. Impact learning is a supervised machine learning algorithm for resolving classification and linear or non-linear regression knowledge from examples. To install in your machine learning environment just command **pip installs impact learning**.

### 3. Order for Item

This app is developed by using java for taking order item from the customer, review for item, total transition of a month etc. <https://github.com/Mmurrad/RestaurantApps>

### 4. City Guide

This app is developed to give the total information about a city. If the user uses this app, he has no need to take any help of others. <https://github.com/Mmurrad/CityGuide>

### 5. Current location

This app is developed to give the location name and total distance you have passed. It will help the people who do exercise regularly. <https://github.com/Mmurrad/CurrentLocation>

### 6. Smart Man

It is online based app. It's stored the data of man. This app helps the person who has a lot of clients and needs their information store.

## JOB EXPERIENCE

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### Adjunct Faculty

August 2022 – Present

Electronics and Telecommunication Engineering, International Islamic University Chittagong. Here, I am taking classes on Database management system (DBMS).

### Research Assistant

February 2021 – Present

Faculty of Computing, Universiti Malaysia Pahang. Working as a research assistant in a networking lab. My research topic is a new priority algorithm for job scheduling at cloud computing.

### Lecturer

February 2020 – January 2021

Department of Information and Communication Technology, National Model College, Noakhali, Bangladesh. Here I take the class on Programming, Database Management systems, Data Communication.

### Research Assistant

May 2019 – February 2020

Department of Information and Communication Engineering, Noakhali Science and Technology University. Here, I am working at a computer simulator lab. I build some android applications using java.

### Industrial Trainee

February 2019 – March 2019

BTCL Nandankanon, Chittagong branch. Industrial training at BTCL gives me an idea about how to deal with corporate life and knowledge about Telephone Line Connection, Optical fiber communication, structure, etc.

### Assistant Director

May 2018 – January 2019

I had worked as an assistant director at Vertex university admission coaching for science faculty. I had controlled 200 students by maintaining their class schedules and solving various problems.

## TECHNICAL SKILL

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- ❖ Simulator : CloudSim.
- ❖ Programming language : C, C++, Java, Python, HTML, CSS.
- ❖ Database : MySQL
- ❖ IDE : Spyder, Colab, Jupyter Notebook, Code Blocks, Dev-C++, PyCharm.
- ❖ Have strong knowledge in android app development with java.
- ❖ Have strong knowledge in Machine learning with python.
- ❖ Proficient in Latex.

## REVIEWER

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- ❖ IEEE Access
- ❖ Journal of Experimental & Theoretical Artificial Intelligence
- ❖ IEEE Conference on Applied Intelligence and Computing (AIC 2022)

## AWARDS AND ACHIVEMENTS

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- ❖ Best Research Paper Award in the 9th International Conference on Computer and Communications Management, ACM, 2020
- ❖ 3rd Place at NSTU Intra University Programming Contest 2016.
- ❖ SUB Inter-University Programming Contest-2018 (Rank 6).
- ❖ LU Inter-University Programming Contest-2017 (Rank 11).
- ❖ Best Final Year Project Supervised by Apurba Adhikari, 2019.

## PROFESSIONAL TRAINING

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- ❖ **Research writing skill**, EMK Center (2021)
- ❖ **Data Science with Python (Part 1)**, Maker Lab, EMK Center (2020)
- ❖ **Data Science with Python (Part 2)**, Maker Lab, EMK Center (2020)
- ❖ **Android Application Development- Java**, SEIP under Basis Institute of Technology and Management (2019)
- ❖ **Android Application Development, LICT, Bangladesh (2016)**

## WORKSHOPS AND PRESENTATIONS

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- ❖ **Oral Presentation**, at 2021 Emerging Technology in Computing, Communication, and Electronics (ETCCE), Dhaka, Bangladesh.
- ❖ **Oral Presentation**, at 7th INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING & COMPUTER SYSTEM (ICSECS – 2021), UMP, Pahang, Malaysia.
- ❖ **oral presentation**, seminar on "In-Depth of Artificial Intelligence & Machine Learning" at Department of Information and Communication Engineering, NSTU, Noakhali, 15 March, 2020.
- ❖ **Workshops Research and Academic Career**. Conducted by UniV Summer School (Three weeklong workshops).

## REFERENCE

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Professor Dr. Asikur  
Rahman Khan  
Department of ICE  
Noakhali Science and  
Technology University  
Phone: +8801836350710  
Email: [ashik@nstu.edu.bd](mailto:ashik@nstu.edu.bd)

K. M. Aslam Uddin  
Assistant Professor  
Department of ICE  
Noakhali Science and  
Technology University  
Phone: +8801745396715  
Email: [aslam@nstu.edu.bd](mailto:aslam@nstu.edu.bd)

Professor Dr. Anupam  
Kumar Bairagi  
Discipline of Computer  
Science and Engineering  
Khulna University  
Phone: +881304-562229  
Email: [anupam@ku.ac.bd](mailto:anupam@ku.ac.bd)