

FAYSAL MIAH


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EDUCATION

North South University, Bangladesh <i>Bachelor of Science in Computer Science</i>	2017 - 2022
Narsingdi Govt. College, Narsingdi, Bangladesh <i>Higher Secondary Certificate</i>	2013 - 2015
Alijan J.M Academy, Narsingdi, Bangladesh <i>Secondary School Certificate</i>	2008 - 2013

ACADEMIC THESIS

Semi-autonomous Wheelchair with Real-Time Object Detection <i>YOLOv7, RaspberryPi, Arduino, Proteus, RobotCar, Supervised Learning, Python</i>	
<ul style="list-style-type: none">• Develop a semi-autonomous wheelchair system that can detect real time object by using webcam.• <i>Arduino</i> based wheelchair control with hand gesture, and simulated with <i>Proteus</i>.• <i>YOLOv7</i> for object detection and integrated with <i>RaspberryPi</i>.	

ACADEMIC PROJECTS

Potato Disease <i>AI, ML, DL, Tensorflow, Python</i>	
A machine learning system that can detect if there are early blight and late blight diseases in potato plant. The goal of this project to accurately identify those disease so that farmers can take step	
Patient's Condition Classification Using Drug Reviews <i>AI, ML, NLP, Python</i>	
We build a system by using both <i>machine learning</i> and <i>Natural Language Processing</i> that can identify the disease with the help of patient's condition review.	
Earthquak Detection <i>Microprocessor, Arduino, Vibration Sensor, Proteus</i>	
Build a microprocesor system by using <i>Arduino, Vibration Sensor</i> , and <i>Proteus</i> that can detect vibration it helps to identify the earthquak.	

TECHNICAL SKILLS

Languages: Python, JavaScript, C, Latex
Software and Tools: VS Code, Google Colab, Kaggle Notebook, Jupyter Notebook, Sublime Text, Spyder
Machine Learning Library: Pytorch, Tensorflow, Scikit-learn, Pandas, NumPy, Matplotlib
Web: HTML, CSS, Bootsrap, Flutter, React
OS: Linux, Windows

HONOURS AND AWARDS

- Honorary Mention at NSU Project Showcase Fall 22 for 'Semi-autonomous Wheelchair with Real-Time Object Detec-tion' for senior project at the university.

INTERESTS

- Software Development
- Data Analysis
- Deep Learning
- Web Development
- Machine Learning
- Artificial Intelligence