

FAYSAL MIAH

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Github | LinkedIn | Kaggle | Medium



EDUCATION

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| 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

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| 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

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| 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 microprocessor system by using <i>Arduino</i> , <i>Vibration Sensor</i> , and <i>Proteus</i> that can detect vibration it helps to identify the earthquake. | |

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, Bootstrap
OS: Windows, Linux(Accomplished a course named "Complete Linux Training Course to Get Your Dream IT Job" from Udemy)

HONOURS AND AWARDS

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

INTERESTS

- Software Development
- DevOps
- Cloud Engineering
- Web Development
- Machine Learning
- Data Analysis