ABUL KASHIM

Awards

- Awarded as a best presenter in IEEE conference 2022 for Bangla Food Review Sentimental Analysis using machine learning
- Our team Nerd_Community has been awarded as champion in a special category in INNOVATION CHALLENGE 10 in NSU.
- I stood in the top 10 positions in Intra NSU programming contest 2019
- Sports Programmer at NSU-PS

EXPERIENCE & EDUCATION

NORTH SOUTH UNIVERSITY   5/2022
Bachelor of Science in Computer Science   CGPA: 3.17/4

- Course: Software Engineering, Database Management System,

  Design, and Analysis of Algorithms, Data Structure & Algorithm, Machine   Learning, Pattern Recognition, Artificial Intelligence, Concepts of Programming Language

- Sports Programmer at NSU-PS

PROJECTS

NSU_Complain_Lodge| Web Application   code   Jan/22 -Jun/2022

Group lead | Tech Stack: Sqlite3, Django, Python, HTML, Bootstrap5

- Coordinated a team of 2 developers
- Any One of North South University can complain to this online platform
- There is an option to log in as a faculty, student or staff. Students must log in with their NSU email. The Faculties are assigned as   reviewers and the user can select who will be the reviewer of the complaint. Users must fill-up the form of the complaint. The user can comment below the complaint and they can also edit the comment and the complaint for a certain time. The status of the complaint will be shown under profile as pending, fine
- CRUD API integrated to create, update, restore, delete information, and google auth API to sign in using google account

COVID-19 Symtomps Detection | Web Application   code   July 2021-sep 2021

Group lead | Tech Stack: Traditional machine learning algorithm, PHP, Streamlight, preparing data

- Manage a team of 2 developers, 1 report writer, a machine learning engineer(me)
- In this platform, anyone can be aware that he or she can be detected as covid19 positive or not based on he or she said symptoms

Online Learning Tools Efficiency| ML Project   code   July 2021 -Sep 2021

Group lead | Teach Stack: Machine Learning Classifier, Pandas, Mathplotlib, Scit-kit learn, SK- learn

- Manage a team of 3 machine learning enthusiasts
- Through this predictive model one student can predict the efficiency of online learning tools in university level.

Shunao | Web Application   code   Sep 2021-continuing

Group lead| Tech Stack: Tensorflow, Javascript,Firebase, CSS,Numpy

- Conducted 50 research papers for 3 months to understand the mechanism of Bangla sign Language and experimented with different models with relevant datasets
- Used Isharalipi Bangla Sign language datasets along with our own custom datasets
- Used OpenCV library to capture video frame, used mediapipe library to detect key points from hand gestures and store those in NumPy array for every single video frame, labeling library is used to label the object, TensorFlow Object detection api used to detect sign language
- SSD MobileNet and LSTM model experimented on dataset but SSD gave accuracy
- There is sign up, sign in option, then in the home page there is a dashboard where different options like Sign language detection, Sign Language production, Sign language recognition for user according to the chosen option camera or text interface will appear in front of the user.

Customized Auto-encoder | Image processing   code   Feb2022-July 2022

Solo Project | Tech Stack: PyTorch , google colab

- Here SARS-COV-2 Ct-scan dataset available publicly are feed to Customized Auto encoder.
- Here encoder part has been designed by 5 convolutional layers where every convolutional layer followed a pooling layer   to condense small number of parameters by learning from backward and forward propagation then the decoder part has been replaced by a traditional machin learning algorithm named SVM model to classify the images as covid-19 or non covid-19.
- This model overcomed all the existing model incase of computational efficiency

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SKILLS

- Data Structures And Algorithms
- Problem Solving and competitive Programming
- Programming Language (C, C++, Python, Java)
- Web Framework(Django, React Js)
- Markup and Styling Languages(HTML, Bootstrap 4, XHTML, JSON, CSS)
- Scripting language (PHP, JavaSCript)
- Database Management System, MySQL, Sqlite3
- MS word, excel, powerpoint
- Libraries: Android Studio, Flask, Streamlight, Sklearn, Matplotlib, Open CV, Pandas, Scit-kit Learn
- Version Control: Git
- Industry Knowledge: Machine learning Deep Learning, Pytorch
- OOP
- Typing speed average 50wpm

Research Gate Profile: link

Language: English,Bangla , Hindi