SAIFUL ISLAM

📞 (+880) 1616790790   @ islam.saiful03@outlook.com   📍 Dhaka, Bangladesh
⌨ SonnetSaif   in saiful-islam03   iD 0000-0001-8782-0279

SUMMARY

A CS Graduate with good programming insights, various skills, and knowledge of software development. Focused on building future career in any relevant field of CSE, preferably strengthful & enthusiastic in Machine Learning. Diligent and quick learner, adaptive, punctual, responsible, pull off-mindset, and team player.

WORK EXPERIENCE

Junior Software Engineer

Spectrum Engineering Consortium Ltd.

📅 February 2021 - Present   📍 Dhaka, BD

– Built a complete full-stack web app 'User Management System (UMS)' for 'National Board of Revenue (NBR)' for modern and automated way of User management in ASYCUDA World System

– Contributed software engineering expertise in the development of products through the software lifecycle, from requirements definition through successful deployment.

– Worked closely with clients to establish problem specifications and system designs

– Collaborated with an agile team of 6, and helped prioritize and scope feature requests to ensure that the biggest impact features/ were worked on first

– Tested, coded, reviewed, and delivered software with on time record and according to service level objectives

– Drafted documentations delineating designs and specs

EDUCATION

B.Sc. in Computer Science and Engineering

Ahsanullah University of Science and Technology

📅 March 2016 - November, 2020

CGPA: 2.964 out of 4

PUBLICATIONS

📄 Journal Articles

- Islam, Saiful et al. (2021). "Exploring Video Captioning Techniques: A Comprehensive Survey on Deep Learning Methods". In: *SN Computer Science* 2.2, pp. 1–28.

👥 Conference Proceedings

- Islam, Md et al. (2021). "DCNN-LSTM Based Audio Classification Combining Multiple Feature Engineering and Data Augmentation Techniques". In: *International Conference on Intelligent Computing & Optimization*. Springer, pp. 227–236.

- Mia, Md Zesun Ahmed et al. (2021). "IRFD: A Feature Engineering based Ensemble Classification for Detecting Electricity Fraud in Traditional Meters". In: *2021 24th International Conference on Computer and Information Technology (ICCIT)*. IEEE, pp. 1–6.

- Raj, Amir Hossain et al. (2021). "Deep Learning Based Video Captioning in Bengali". In: *2021 26th International Conference on Automation and Computing (ICAC)*. IEEE, pp. 1–6.

STRENGTHS

- Programming Language: Python Java C++
- Python Frameworks: PyTorch Tensorflow
- Python Library: Scikit-learn OpenCV
- Database Management: PostgreSQL
- Web Development (Frontend): Angular
- Web Development (Backend): Spring Boot Hibernate
- Others: Facebook Prophet
- Version Control: Git GitLab
- Operating System: Windows Linux Distros

PROJECTS

Stock Price Prediction And Forecasting Using Stacked LSTM

Tools : Tensorflow

Fake News Classification using Machine Learning

Tools : scikit-learn

This code cleans, pre-processes text and trains two ML models using scikit-learn (MultinomialNB, PassiveAggressiveClassifier) to classify fake news

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Weather Forecasting using Neural Prophet

Tools : NeuralProphet

Salary Prediction WebApp using Machine Learning

Tools : scikit-learn, Streamlit

PARTICIPATION

- Hackathon at #FormulaAI Hack 2022
- Idea Contest at DU FABFEST-2018
- Hackathon at BUP ICT FEST-2018
- Project Showcase (Software) at CODEWARE-2018, AUST
- Programming Contest at Intra AUST Programming Contest Fall 2017
- 5-sessions Long Workshop on Soft Skills at BUET ROSTRUM Season 3