




Md Kamrus Samad

Software Engineer

Eager to expand my skills through diverse experiences and innovative contributions.

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 Dhaka, Bangladesh

EDUCATION

Bs in CSE

North South University

01/2018 - 05/22

WORK EXPERIENCE

Software Engineer

Beraten Software Corporation

11/2022 - Present

Business software and database development company serving Indian Tribes in USA and all over the world

Achievements/Tasks

- Assembled software solutions tailored for tribal organizations, specializing in ASP.NET Core Razor Pages, MSSQL Server, and Telerik Kendo UI.
- Demonstrated proficiency in managing stored procedures, ensuring efficient data processing and retrieval.
- Built new backend pages, aligning development tasks with client requirements and project specifications
- Solved bugs and issues promptly, enhancing the overall performance and functionality of the software.
- Engaged in the complete software development life cycle, from understanding client needs to translating requirements into functional code.
- Utilized tools such as ASP.NET Core Razor Pages, MSSQL Server, Telerik Kendo UI, and other relevant technologies to meet project objectives.
- Maintained a proactive approach to stay along with industry trends and emerging technologies, incorporating them into the development process for continuous improvement.

Skills: Business software and database development company serving Indian Tribes in USA and all over the world

Trainee Data Scientist

MasterCourse

08/2022 - 10/2022

I participated in the MasterCourse, an online training program specializing in Data Science and Analytics.

Achievements/Tasks

- Proficient in NLP, Matplotlib, OpenCV, Selenium, Python, NumPy, Pandas, Tableau, and PyTorch for web scraping, data preprocessing, model training, and deployment.
- Gained hands-on experience through projects, enhancing my understanding of data science principles and refining model fine-tuning and training skills.
- Explored topics like web scraping, data preprocessing, and model deployment, building a strong foundation in the field

Skills: NLP, Matplotlib, OpenCV, Selenium, Python, Numpy, Pandas, Tableau, Pytorch, etc.

SKILLS

Languages: C#, Python, C, C++, Dart

Database: SQL, MSSQL, MySQL, Firebase

OS Tools: Windows, Linux

Libraries and Frameworks: Transformers, PyTorch, TensorFlow, Keras, scikit-learn, Pandas, Matplotlib, Selenium, Tableau, OpenCV, Flutter, Django, .NET

Technologies: Azure Dev, Git, GitHub, BitBucket, Trello

ACADEMIC RESEARCH

Training Pruned Language Model

- Developed "BnBERT ipet pruned," a novel language model achieving state-of-the-art performance in resource-constrained Bengali NLP tasks. The model, with just 10% of the edges of the initial BERT, demonstrated comparable results to leading models like Bangla Electra and Indic-Bert. Through iterative pattern-exploiting training and 90% sparsity using Lottery Ticket hypothesis pruning, our approach significantly reduced memory footprint and training time, offering a compelling alternative for efficient language processing in Bengali.

Bengali Language Classification

- It is also a collaborative NLP research. We have presented a new classification task for Bengali Language. We have created a dataset and comparison among some acknowledged models. The task was to classify the Bengali languages into three categories.

PERSONAL PROJECT

Faculty Reviewer

- It was a Windows application. The idea of this application was to make NSU faculty member's profiles based on student reviews. NSU is an open credit hour course system university so every semester student needs to search their faculty who is appropriate for them and their course. So, in this app, students can rate and comment about teachers based on their experience which makes it easier to find the faculty. This application also has an Android Version. Technologies: C#, SQL, Flutter

CERTIFICATIONS

- Introduction to Tensorflow Coursera
- Crash Course on Python Coursera
- Python Functions, Files, and Dictionaries- Coursera
- Python Classes and Inheritance- Coursera