Ahmed Anwar

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C, Java

Libraries and Tools: PyTorch, Tensorflow, Keras, Sklearn, Pandas, Matplotlib, Numpy, Git

ML Architectures: RNN, Transformers(BERT, LSTM), CNN

Database: MySQL, PostgreSQL

Web Development Framework and Tools: Django, HTML, CSS, Bootstrap, Rest API

ABOUT MYSELF

Embarking on the exciting odyssey of my professional career armed with a degree in Computer Science and Engineering, I stand as a recent graduate impassioned by the endless possibilities within the realm of technology. With a specialized focus on the intricacies of Natural Language Processing (NLP) and the artistry of web development, I bring forth a distinctive fusion of technical prowess and inventive thinking. Nurtured through experiences as a Student Tutor at BRAC University and a Python Intern at Genuine Technology & Research Ltd., my journey has not only refined my leadership and communication skills but has also ignited a fervor for the exchange of knowledge. Stepping into the dynamic landscape of the tech industry, I eagerly anticipate contributing my expertise in NLP and web development to pioneering projects, welcoming challenges and relishing every opportunity for growth.

EDUCATION

BRAC University   **Dhaka, Bangladesh**
BSc in Computer Science and Engineering [CGPA-3.81]   *July 2020 - February 2024*

Rajuk Uttara Model College   **Dhaka, Bangladesh**
Higher Secondary Certificate [GPA-5.00]   *July 2017 - June 2019*

WORK EXPERIENCE

Student Tutor
BRAC University, Dhaka, Bangladesh   *October 2022 - December 2023*

- Tutored Python, OOP, Data Structures, and algorithms at BRAC University.
- Provided individualized guidance, fostering a supportive learning environment.
- Developed time management, teaching and leadership skills.

Python Intern
Genuine Technology & Research Ltd.   *March 2024- Present*

- Working with AI Agent system for automation tasks, contributing to increased efficiency and productivity.
- Utilizing Large Language Models (LLM) for various purposes, including natural language processing and data analysis.
- Gained hands-on experience with AI-based software(RAG based), enhancing understanding of machine learning algorithms and their applications.
- Collaborating with the team to develop and implement innovative solutions in Python for real-world problems.
- Participating in regular code reviews and providing constructive feedback to enhance code quality

PROJECTS

- **Offensive Text Detection Model**, Designed and implemented offensive speech identification models utilizing BiLSTM, SVC, and Logistic Regression, showcasing proficiency in NLP and machine learning techniques. GitHub
- **Water Quality Detection Model**, Developed a Water Quality Detection Model employing SVM, Linear Regression, Decision Tree, KNN, Naive Bayes, and Logistic Regression to predict the safety of water samples, demonstrating expertise in diverse machine learning algorithms for environmental analysis. Github
- **A model for Author detection from Bangla texts**, Constructed author detection models for Bangla texts, leveraging BiLSTM and BiLSTM combined with BanglaBERT, showcasing proficiency in natural language processing and advanced deep learning techniques. GitHub

- **Fine-tuning Llama2 for Question Answering Task**, For context-driven Question Answering, I fine-tuned the 'meta-llama/Llama-2-7b-chat-hf' model, which showed superior performance. Utilized the 'SQuAD2.0' dataset, which combines 100,000 questions in SQuAD1.1 with over 50,000 unanswerable questions. GitHub
- **Style Transfer Model**, Implemented Text Generation Models using Style Transfer technique by fine-tuning language models like BanglaT5 and mT5-small, demonstrating expertise in natural language processing and creative content generation.
- **Cricket-Chatbot**, Developed an AI cricket chatbot utilizing Retrieval Augmented Generation (RAG) with a focus on cricket, leveraging llama2 and mistralai. Github
- **Task Management Website**, Developed a comprehensive Task Management Website using Django and PostgreSQL, empowering users to efficiently organize, track, and manipulate tasks, including features like task categorization, priority setting, image integration, and user profile management. Github
- **Doctor Suggesting Website**, Developed a dynamic Doctor Recommending Website using Django and MySQL, incorporating advanced features such as personalized doctor searches, BMI calculation, user reviews, hospital admin tools, and real-time medical news aggregation, demonstrating expertise in full-stack web development and database management. Github
- **Resource Sharing and Course Review Website**, Built a dynamic MERN stack website with integrated AI sentiment analysis for course reviews, facilitating user contributions through reviews, blogs, resource sharing, and problem-solving. Demonstrates proficiency in full-stack development and innovative AI applications. Github
- **Text-to-speech converter**, Developed a versatile Text-to-Speech Converter application enabling both text-to-speech and speech-to-text functionalities, showcasing proficiency in Python and integration of essential libraries such as Tkinter, Pillow, SpeechRecognition, Wave, and pyttsx3. Github

CERTIFICATIONS

- **Neural Networks and Deep Learning - DeepLearning.AI**
  Issued Apr 2023 — Credential ID DYK78KKDML8X
- **The Duke of Edinburgh's Award [Gold Awardee]**
  Issued Dec 2018

EXTRACURRICULAR ACTIVITIES

- **BRAC University Computer Club**
- **BRAC University Chess Club**

REFERENCES

- **Dr. Farig Yousuf Sadeque**
  Assistant Professor, Department of Computer Science and Engineering, BRAC University
- **Dr. Md. Khalilur Rahman**
  Associate Professor, Department of Computer Science and Engineering, BRAC University