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

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 and leadership skills.

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
- **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**