

Ashraful Islam Paran

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EDUCATION

- Chittagong University of Engineering and Technology (CUET)** Feb 2020 - Present
B.Sc. in Computer Science and Engineering
Chittagong, Bangladesh
 - CGPA: 3.95/4.00 (Till 6th Semester)
 - Class Position: 3/132

PROGRAMMING / TECHNICAL SKILLS

- Proficient:** C, C++, Python, HTML, CSS, Flutter
- Moderate:** Java, JavaScript, SQL, MongoDB, React, Node.js
- Frameworks:** Keras, TensorFlow, Pytorch
- Devops:** Docker, Vagrant
- Tools:** Jupyter, Git, LaTeX, VS Code

PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PATENT, S=IN SUBMISSION, T=THESIS

- [C.5] Paran, A. I., Hossain, M. S., Shohan, S. H., Hossain, J., Ahsan, S., & Hoque, M. M. (2024). **SemanticCuetSync at CheckThat! 2024: Finding subjectivity in news article using Llama**. In *Working Notes of the Conference and Labs of the Evaluation Forum (CLEF 2024)*, pages 387-395, Grenoble, France.
- [C.4] Shohan, S. H., Hossain, M. S., Paran, A. I., Hossain, J., Ahsan, S., & Hoque, M. M. (2024). **SemanticCuetSync at CheckThat! 2024: Pre-trained Transformer-based Approach to Detect Check-Worthy Tweets**. In *Working Notes of the Conference and Labs of the Evaluation Forum (CLEF 2024)*, pages 387-395, Grenoble, France.
- [C.3] Symom Shohan, Md. Hossain, Ashraful Paran, Shawly Ahsan, Jawad Hossain, and Mohammed Moshiul Hoque. 2024. **SemanticCuetSync at AraIEval Shared Task: Detecting Propagandistic Spans with Persuasion Techniques Identification using Pre-trained Transformers**. In *Proceedings of The Second Arabic Natural Language Processing Conference*, pages 518-523, Bangkok, Thailand. Association for Computational Linguistics.
- [C.2] Ashraful Paran, Symom Shohan, Md. Hossain, Jawad Hossain, Shawly Ahsan, and Mohammed Moshiul Hoque. 2024. **SemanticCuetSync at AraFinNLP2024: Classification of Cross-Dialect Intent in the Banking Domain using Transformers**. In *Proceedings of The Second Arabic Natural Language Processing Conference*, pages 422-427, Bangkok, Thailand. Association for Computational Linguistics.
- [C.1] Md. Sajjad Hossain, Ashraful Islam Paran, Symom Hossain Shohan, Jawad Hossain, and Mohammed Moshiul Hoque. 2024. **SemanticCUETSync at SemEval-2024 Task 1: Finetuning Sentence Transformer to Find Semantic Textual Relatedness**. In *Proceedings of the 18th International Workshop on Semantic Evaluation (SemEval-2024)*, pages 1222-1228, Mexico City, Mexico. Association for Computational Linguistics.
- [S.1] Ashraful Islam Paran, Md. Sajjad Hossain, Symom Hossain Shohan, Jawad Hossain, Shawly Ahsan, and Mohammed Moshiul Hoque. 2024. **Leveraging Large Language Models to Estimate the Check-Worthiness of Multilingual Tweets**. In *27th International Conference on Computer and Information Technology (ICCIT) 20-22 December 2024, Cox's Bazar, Bangladesh*
- [T.1] **Detecting Abusive Language in Bengali using Multimodal Fusion.**

PROJECTS

- Caption Generator** Oct 2023 – Dec 2023
 - Utilized the vit-gpt2-image-captioning model to generate captions for images.
 - Designed a streamlined pipeline for processing images and generating captions efficiently.
 - Implemented and tested various pre-processing and post-processing techniques to enhance caption quality.
- Movie Recommender** Oct 2023 – Dec 2023
 - Developed a movie recommender web app using Streamlit to provide personalized movie recommendations.

- Implemented collaborative filtering and content-based filtering algorithms to suggest movies based on user preferences and movie characteristics.
- Integrated interactive features such as user input forms and dynamic recommendation updates to enhance user experience.
- **Deen - An Islamic app** Oct 2023 – Dec 2023
 - Developed "DEEN - An Islamic App" using Flutter, providing a comprehensive package of Islamic features.
 - Implemented a mosque finder feature using Google Maps API to help users locate nearby mosques.
 - Included features such as prayer times, Quran recitation, Qibla direction, and Islamic calendar to serve the diverse needs of the Muslim community.
- **ThriftTrade** Jan 2023 – Mar 2023
 - Developed "ThriftTrade," a second-hand marketplace website using TypeScript, Node.js, and MongoDB.
 - Implemented user authentication and authorization using Firebase for secure transactions.
 - Designed and built RESTful APIs to manage listings, user profiles, and transactions.
 - Integrated a live auctioning feature to enable real-time bidding on items.
- **Football Manager** Sep 2022 – Dec 2022
 - Developed "Football Manager," a Java Swing application for comprehensive player management.
 - Implemented features for adding, updating, and deleting player profiles with detailed statistics.
 - Integrated search and filter functionalities to quickly find and manage player information.

HONORS AND AWARDS

• INTERNATIONAL

- 2024 **4th Place**, CLEF 2024 - CheckThat! Lab Task 2 Grenoble, France
- 2024 **5th Place**, CLEF 2024 - CheckThat! Lab Task 1 Grenoble, France
- 2024 **5th Place**, AraFinNLP SharedTask 2024 (Subtask 1 - Multi-dialect Intent Detection) Bangkok, Thailand
- 2024 **6th Place**, ArAIEval: Propagandistic Techniques Detection Bangkok, Thailand
- 2024 **11th Place**, SemEval-2024 Task 1 Mexico City, Mexico
- 2023 **Top 15 Finalist**, Honda YES Award
- 2019 **Gold Honour**, International Youth Math Challenge (IYMC)
- 2018 **Finalist**, International Youth Math Challenge (IYMC)

• DOMESTIC

- 2024 **5th Place**, IUT ICT Fest 2024 Datathon: ASR for Regional Dialects Dhaka, Bangladesh
- 2022 **19th Place**, Code Samurai Hackathon 2022 Dhaka, Bangladesh
- 2023 **99th Place**, ICPC Asia Dhaka Regional Onsite Contest Dhaka, Bangladesh
- 2020-23 **Honorable Mention x3**, ICPC Asia Dhaka Regional Preliminary Contest Dhaka, Bangladesh
- 2020-23 **Technical Scholarship x6**, Academic excellence Dhaka, Bangladesh

EXTRA-CURRICULAR ACTIVITIES

- **Assistant IT Secretary, CUET Computer Club** 2020 - Present
 - Gained expertise in competitive programming Chittagong, Bangladesh
 - Participated in many onsite programming contests
 - Organized several programming competitions
- **Assistant General Secretary, Josephite Math Club** 2017 - 2019
 - Held several workshops on mathematics. Dhaka, Bangladesh
 - Organized Josephite Math Festival 2018 and BDMO (Bangladesh Math Olympiad) preliminary round.

CERTIFICATIONS

- **Deep Learning Specialization** Mar 2024
DeepLearning.AI
- **Machine Learning Specialization** Mar 2024
DeepLearning.AI