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 a bird species classifier integrating advanced machine learning into a user-friendly app
  - Utilized Flutter and a fine-tuned CNN model for species identification
  - Managed data preparation and preprocessing for accurate results

- **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
  Chittagong, Bangladesh
  - Gained expertise in competitive programming
  - Participated in many onsite programming contests
  - Organized several programming competitions

- **Assistant General Secretary, Josephite Math Club**

  2017 - 2019
  Dhaka, Bangladesh
  - Held several workshops on mathematics.
  - 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