

Faysal Mahmud

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CAREER OBJECTIVE

Looking for chances to apply my knowledge and talent in the Research field that will allow me to advance professionally while remaining adaptable, creative, and resourceful. A proactive learner who can function in a welcoming atmosphere and has a positive outlook. Capable of picking up new ideas, and successfully expressing ideas to others.

RESEARCH EXPERIENCE

CONFERENCE PROCEEDINGS

- Mahmud, Faysal, Yusha Abdullah, Minhajul Islam, and Tahsin Aziz. *"Unmasking Deepfake Faces from Videos Using An Explainable Cost-Sensitive Deep Learning Approach."* In 2023 26th International Conference on Computer and Information Technology (ICCIT), pp. 1-6. IEEE, 2023.
Doi: [10.1109/ICCIT60459.2023.10441026](https://doi.org/10.1109/ICCIT60459.2023.10441026)

PREPRINT

- Mahmud, Faysal, Md Mahin Mahfiz, Md Zobayer Ibna Kabir, and Yusha Abdullah. *"An Interpretable Deep Learning Approach for Skin Cancer Categorization."* arXiv preprint arXiv:2312.10696 (2023).
Doi: [10.48550/arXiv.2312.10696](https://doi.org/10.48550/arXiv.2312.10696)

EDUCATION

- Ahsanullah University of Science & Technology 2019 - 2023
B.Sc. in Computer Science & Engineering
CGPA: 3.32 out of 4.0
- Dhaka College 2015 - 2017
Higher Secondary School Certificate
GPA: 5.0 out of 5.0

UNDERGRADUATE THESIS

Fake Face Detection in Social Media Videos Using Deep Learning: A Comprehensive Analysis and Robust Framework

This undergraduate thesis work was spread over the 4th year 1st semester & 4th year 2nd semester. The duration of the work is almost one year.

Summary:

- Applied different deep learning techniques such as CNN, XceptionNet, DenseNet201, ResNet50 over CelebDF V2, and FaceForensics++ dataset.
- Developed a fake face detection technique that can capture fake faces from forged videos.

SKILLS

- **Programming Language:** Python, Java, C / C++
- **Python Libraries:** Numpy, Pandas, Matplotlib, Scikit-Learn
- **Deep Learning Frameworks:** TensorFlow, Keras, PyTorch
- **Database:** MySQL, Microsoft SQL Server, PL/SQL

ACADEMIC PROJECTS

Undergraduate Course Projects

- Bengali Cyberbullying Detection Using Machine Learning ([Github](#))
- E-commerce website using HTML, CSS, JavaScript, and MySQL ([Github](#))
- Pharmacy Management System using Java ([Github](#)) | ([YouTube](#))
- Car Dealer Site using ASP.NET MVC 5 ([Github](#))
- Single Person Shooting Game using iGraphics ([Github](#)) | ([YouTube](#))

ADDITIONAL INFORMATION

TEST SCORES

- **IELTS:** Overall 7 (Listening – 7, Reading – 8, Writing – 6.5, Speaking – 6.5)
- **GRE:**

ONLINE COURSES

- Programming for Everybody (Getting Started with Python): ([Certificate](#))
- Python Data Structures: ([Certificate](#))

CONFERENCE

- **26th International Conference on Computer and Information Technology (ICCI 2023):** I presented 2 of our research papers at this conference ([Certificate -1](#), [Certificate – 2](#))

CO-CURRICULAR ACTIVITIES

- **Competitive Programming:** CodeForces (Handle: [FaysalMahmud](#), Contest Rating: 350)
- **Intra AUST Programming Contest:** Fall 2018 ([Certificate](#))
- **Intra AUST Programming Contest:** Spring 2019 ([Certificate](#))
- **Inter-University Event:** I created a Soccer Bot and participated in that event ([Certificate](#))

VOLUNTEER ACTIVITY

- **University Transport Ordinator:** I ensured daily safe transportation for nearly 200 students by maintaining our university bus, demonstrating a commitment to reliability and safety.

REFERENCE

Tahsin Aziz

Assistant Professor

Department of Computer Science and Engineering

Ahsanullah University of Science & Technology

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