

Koushiki Devi Agarwalla

Institute of Information Technology(Jahangirnagar University)

Savar, Dhaka-1342, Bangladesh

☎ +8801742-364333 • ✉ koushikiagarwal24@gmail.com

Education

Program	Institution/Board	Result	Year
<i>B.Sc</i> (Information Technology)	Jahangirnagar University Savar,Dhaka-1342,Bangladesh	3.62/4	2020-Present
<i>H.S.C</i> (Science)	Govt.Saroda Sundori Mohila Col- lage,Faridpur Faridpur,Dhaka,Bangladesh	4.5/5	2019
<i>S.S.C</i> (Science)	Faridpur Govt. Girls High School Faridpur,Dhaka,Bangladesh	5/5	2017

Research Work

- Thesis** Jan 2024 - Present
(Undergrade / Supervisor: Prof. Dr. Md. Sazzadur Rahman) IIT-JU
 - Correctly **classified** raw image dataset into different stages of involvement of ASD students in Classroom and Proposed multimodal ensemble approach to detect involvement of ASD students in classroom .
 - Keywords:** Autism; involvement detection; ensemble ;neural network; computer vision; machine learning; classroom; students with ASD; classifier; head and body point movements;

Course Projects

- Project 1** May 2024
(Undergrade / Faculty: Lecturer Afrin Ahmed) IIT-JU
 - Implemented **Audio Identifier** and Analysis system using MATLAB for audio data processing and analysis.
- Project 2** October 2023
(Undergrade / Faculty: Associate Prof. Dr. Rashed Mozumder) IIT-JU
 - Designed and Implemented a sensor-based **Water level identifier** system for monitoring water levels.
- Project 3** May 2023
(Undergrade / Faculty: Prof. Dr. Shamim Al Mamun) IIT-JU
 - Developed a virtual classroom platform with a **Zoom-Style** interface for real-time video conferencing, interactive learning, and collaboration.
- Project 4** October 2022
(Undergrade / Faculty: Prof. Dr. Md. Sazzadur Rahman) IIT-JU
 - Built using React with features an **E-Commerce** for product size identification to enhance user shopping experience and accuracy in selecting sizes.

Technical Skills

- Tools: Latex,Anaconda,Google Colab,Kaggle,Canva,Adobe Illustrator,Microsoft Office,VS code
- Programming Language: C,Python
- Web Technology: HTML,CSS
- Database System:Mysql
- Operating System: Windows, Linux
- Framework: TensorFlow, Keras, Py-Torch

Professional activities

- *Trainee in Cyber Security* at EDGE Bangladesh.(Present)
- *Treasurer* at IEEE-WIE,JU.(Present)
- *General Member* at EEC-JU.(2020-2021)
- *General Member* at Cyber Crime Society,JU.(2020-2022)
- *Executive Member* at Prothom Alo Bondhusova.(2013-2016)

Conference

- Participated in the conference *on Trends in Electronics and Health Informatics (TEHI-2023)* conducted by IEEE-JU,(2023).

Achievements

- Secured *1st position in quiz competition* in ML and IoT held by Adorsho PraniSheba Ltd. and ShurjoMukhi Ltd.(2024).
- Secured *2nd Year Merit Stipend* for outstanding academic performance,IIT-Jahangirnagar University(2024).
- Secured *1st Year Merit Stipend* for outstanding academic performance,IIT-Jahangirnagar University(2023).
- Secured *4th position in cyber hackathon* held by Cyber Security Society-Jahangirnagar University (2022).
- Received the *Certificate of Case Competition (Team Work) on Buisness strategies* held by EEC-Jahangirnagar University(2021).
- Received the *Certificate of Web Devlopment* from Digital IT Institute,Dhaka(2021).
- Secured *1st position in Science Project* held by ProthomAlo,Dhaka Division (2015).

Others

- Hobbies: Travelling, Cooking, Learning languages
- Languages: Bengali, Hindi, English

Declaration

I do hereby declare that all the details furnished above are true to the best of my knowledge and belief.