

Ehsanur Rahman Rhythm

STUDENT

Dhaka, Bangladesh

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Ehsanur Rahman Rhythm



Summary

I am Ehsanur Rahman Rhythm, a dedicated and hardworking computer science student currently studying at Brac University in Dhaka, Bangladesh. I am a self-taught developer who has honed my skills in website development over the past 7 years, including proficiency in HTML, CSS, and CMS systems such as Wordpress, Xenforo, Magento, and Opencart. Additionally, I am experienced in Javascript and have created Discord bots using Node.js.

Furthermore, my interest in data science and natural language processing (NLP) has led me to publish research papers in IEEE. I am constantly seeking opportunities to expand my knowledge and skills in these fields and am excited to continue my journey in the field of computer science.

Education

Brac University

B.Sc. IN COMPUTER SCIENCE - CGPA: 3.70

Dhaka, Bangladesh

Jan. 2020 - Sep. 2023

Work Experience

Shromik

LEAD WEB DEVELOPER

- Developed the news portal website with WordPress.
- Optimized website performance with a GTmetrix grade of A. (99% performance score)

Dhaka, Bangladesh

Aug. 2021 - May. 2022

HardPixel TV Sports

LEAD WEB DEVELOPER

- Developed their Sports Infotainment website with WordPress and WPBakery.
- Collaborated with the Design Team to enhance the visual appeal of the website by implementing new designs, color schemes, and layouts, which improved the overall user experience.
- Implemented new features such as Live Score viewer and Dark Mode, which increased the website's functionality and attracted more users.

Dhaka, Bangladesh

Jan. 2021 - Nov. 2021

bdnews24.com

CHILD JOURNALIST

- Selected as a Child Journalist in collaboration between bdnews24.com and UNICEF, reporting on children's rights and welfare.
- Gained valuable skills in journalism, research, and writing, and raised awareness about important issues facing children in my community.
- Developed understanding of the role of media in shaping public opinion and its impact on society.

Dhaka, Bangladesh

Apr. 2013 - Jun. 2017

Game Liberation '71

WEB DEVELOPER

- Developed the Official Website of Liberation '71 with WordPress.
- Collaborated with the designers to improve the design of the site.
- Worked with the Game Programming Team and also helped in beta testing.

Dhaka, Bangladesh

May. 2013 - Dec. 2015

Honors & Awards

2018 **Champion**, Mikko Foundation Design Competition Winner

2018 **Champion**, DIF18 Best Presentation Award

Skills

Programming Languages	Python, PHP, JavaScript, NodeJS, Java, HTML, CSS
Data Science and ML	Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, PyTorch
Database Management	MySQL, MongoDB
Operating System	Windows, Linux
Website CMS	Wordpress, Laravel, Woocommerce, Xenforo, OpenCart, PrestaShop, Weebly
Softwares & Tools	Visual Studio Code, PyCharm, Microsoft Office, Adobe Photoshop, Adobe Illustrator, Adobe Premiere Pro
Language	Bengali, English

Publications

Comparison of Machine Learning Models for Early Prediction of Diabetes With LIME Interpretability	R10HTC
ABANTI CHAKRABORTY SHRUTI, MARUFA KAMAL, RAKIB HOSSAIN RIFAT, EHSANUR RAHMAN RHYTHM, MD HUMAION KABIR MEHEDI AND ANNAJIAT ALIM RASEL	2023

The Effectiveness of Different Deep Learning Models in Detecting Hate Speech on Social Media	R10HTC
TAHSIN ZAMAN JILAN, RAFSAN ZAMIL, MAHMADUR RAHMAN TUSHER, SALMAN F. RAHMAN, EHSANUR RAHMAN RHYTHM, MD SABBIR HOSSAIN AND ANNAJIAT ALIM RASEL	2023

Exploring Few-Shot Learning for Federated Learning in NLP Tasks	R10HTC
MD. RAKIB HOSSAIN, MD. JUBAYER HOSSAIN, KAYES MOHAMMAD BIN HOQUE, FARHAN AHMED, EHSANUR RAHMAN RHYTHM, MD HUMAION KABIR MEHEDI AND ANNAJIAT ALIM RASEL	2023

Text-based Q&A: Automated Question Generation and Answering for Enhanced Data Processing	CATS
EHSANUR RAHMAN RHYTHM, ABDUL HALIM HOSAIN, KAZI AL REFAT PRANTA, TONUSREE TALUKDER TRINA, NUSRAT ZAMAN RAYA, MD SABBIR HOSSAIN, AND ANNAJIAT ALIM RASEL	2023

Advancements in Optical Character Recognition for Bangla Scripts	ASYU
MD TANJIM MOSTAFA, EHSANUR RAHMAN RHYTHM, MD HUMAION KABIR MEHEDI AND ANNAJIAT ALIM RASEL	2023

Sentiment Analysis of Restaurant Reviews from Bangladeshi Food Delivery Apps	ESCI
EHSANUR RAHMAN RHYTHM, RAJVIR AHMED SHUVO, MD SABBIR HOSSAIN, MD. FARHADUL ISLAM AND ANNAJIAT ALIM RASEL	2023

Distributed Computing for Big Data Analytics: Challenges and Opportunities	Researchgate
EHSANUR RAHMAN RHYTHM, RAJVIR AHMED SHUVO, MD HUMAION KABIR MEHEDI, MD SABBIR HOSSAIN AND ANNAJIAT ALIM RASEL	2023

Predicting Taxi Fares in New York City using XGBoost and LightGBM	To be published
EHSANUR RAHMAN RHYTHM, RAJVIR AHMED SHUVO, S.M.AZWAD-UL-ALAM AND SIFAT E JAHAN	2023

Bengali Speech Recognition: An Overview	IICAJET
MASHUK AREFIN PRANJOL, FARHIN RAHMAN, EHSANUR RAHMAN RHYTHM, RAJVIR AHMED SHUVO, TANJIB AHMED, BUSHRA YESMEEN ANIKA, MD. ABDULLAH AL MASUM ANAS, JAHIDUL HASAN, SAIDUL ARFAIN, SHADAB IQBAL, MD HUMAION KABIR MEHEDI, ANNAJIAT ALIM RASEL	2022

Projects

Thesis - Automatic Subtitle Generation for Bengali Multimedia Using Deep Learning	Sep. 2023
DEEP LEARNING, NLP, MACHINE LEARNING	
<ul style="list-style-type: none">Utilized deep learning techniques like Wav2Vec2 for Bengali automatic speech recognition to generate subtitles from audio.Leveraged large Bengali speech dataset Common Voice for training speech recognition models and evaluating subtitle generation.	

FacultyPedia

PHP, MYSQL, TAILWIND CSS

Aug. 2022

- An anonymous review system for students
- Ability to schedule a consultation hour with the faculty

Class Reminder Bot

NODEJS

Jun. 2021

- Discord Bot which will send you a message 10 minutes before your class
- Ability to add Google Meet/Zoom link in reminder message

Discord TaskBot

NODEJS

Mar. 2021

- Discord Bot which will let you add various task with deadlines
- Let's you see your deadlines in a specific channel

Extracurricular Activity

BNMPC IT Club

Dhaka, Bangladesh

SECRETARY OF PROGRAMMING & WEB DEVELOPMENT

Sep. 2017 - Aug. 2019

- Volunteered as a founding member in BNMPC IT Club with a goal to introduce the college students about fast growing technology.
- Developed the official website of the then BNMPC IT Club.
- Taught many students about the basic of Web Development.

Brac University

Dhaka, Bangladesh

STUDENT TUTOR / VOLUNTARY RESEARCH ASSISTANT

Jan. 2023 - Oct. 2023

- Help students in their research on Data Science and Machine Learning projects.
- Provided guidance on research papers related to pattern recognition, data science, natural language processing, computer modeling and distributed computing.
- Assisted students with publishing research papers.