Bishal Deb Roy

Front-End Development (React) & Data Science (Python).

LinkedIn
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Education

Scholarshome Majortila College   Sylhet, Bangladesh

Science, GPA: 5.00   2017

Scholarshome Majortila College   Sylhet, Bangladesh

Science, GPA: 4.17   2017 – 2019

BRAC University   Dhaka, Bangladesh

Bachelors in Computer Science, CGPA: 2.87   2020 - 2024

Skills Summary

Programming Languages: HTML, CSS, JS, Python & SQL.

Frameworks/Libraries: React, Scikit-Learn, Flask, Pandas, NumPy & Matplotlib.

Tools: Excel/Sheet, MySQL, PowerPoint/Slides, Tinker cad.

Platforms: PyCharm, Visual Studio Code, Jupyter Notebook, Google Colab, Linux, Git.

Soft Skills: Report Building, Research Work, Leadership, People Management, Event Management, Team Management, Budget Management, Excellent Communication.

Work Experience

Airwork [2022-2024] | Campus Ambassador, Engineering Team: Airwork is a talent marketplace that lets startups hire remote technology talents from a pool of pre-vetted, previously undiscovered South Asian talents. The product is an assessment tool, application tracking system, and payroll provider - all packaged in one.

IEEE Computer Society BRACU Student Branch Chapter [2023] | Treasurer: As Treasurer of the IEEE CS BRACU Student Branch Chapter, I managed financial planning and budgeting to support our chapter's activities and events. This role helped me develop strong organizational and financial management skills while contributing to the growth of our tech-focused community. Additionally, I got a change to arranged an Intra-university programming contest at Brac University along with several workshops & seminars.

Robotics Club of BRAC University [2021 - 2024] | Assistant Director of A&D: As Assistant Director of Arts and Design at ROBU, I created impactful visuals and branding while collaborating with a tech-driven team. I participated in I Tech Expo 2022 (IUBAT) and Brac University Omniverse 2022 (ROBU) and organized various competitions. I also conducted a workshop on Linux basics.

Projects

1. My team and I made a **Digital Wallet** as part our working with database. We used My SQL, Python Framework (Flask).
2. Made a **Dictionary** using Python.
3. **Music Test preference** using Python Machine Learning.
4. **Water Potability Detection** using Machine Learning.
5. Web-Dev: **One**, Two.

6. My team and I made a website for "Emergency Medical Response System" where we used HTML, CSS, JavaScript, MySQL etc.

Research Work & Publications

Published on ACM COMPASS '24 [2024]

[Bridging the Gap: Exploring the Factors Influencing Women's Adoption of Mobile Financial Services (MFS) in Rural Areas of Bangladesh.](#)

This study examines how mobile financial services (MFS) empower rural Bangladeshi women, highlighting their increased economic activities and advancements in women's rights. It also identifies ongoing challenges like unequal pay and limited access to education. The study emphasizes the importance of financial stability and savings for families and society.

Submitted on ACM CSCW '25 (Status: Pending)

Shaping Minds and Building Trust: The Role of Quality Content and Credibility in Shaping Viewers' Mindsets and Interactions with Digital Content

This study examines how video metadata and production quality affect viewer preferences on YouTube in Bangladesh, emphasizing the importance of content credibility, trust, and transparency for long-term engagement.

Workshops and Courses

1. I have participated in a workshop on **Basics of Machine Learning** organized by IEEE CS BRACU Student Branch Chapter.
2. I have participated in a workshop on **"Basics of 3D Space & Block Design"**, Which was by Robotics Club of Brac University (ROBU).
3. I have also participated in a workshop by DoxPro Robotics, named, **"Dreamtech-45"**.
4. I have also participated in a **Cyber Security Workshop organized by Creative IT Institute** and IEEE BRACU CS SBC.

Reference

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