Mashiat Amin Farin

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EDUCATION

University of Dhaka - Institute of Information Technology **GPA:** 3.65
*Bachelor of Science in **Software Engineering*** **Expected:** Dec 2024
Organizations: IIT Software Engineering Community, IIT Competitive Programming Community

DEVELOPMENT SKILL SET

Languages:	Java, Python, C, C++, R, SQL, Solidity, HTML
Libraries and Frameworks:	Flask, Hyperledger Fabric, Rshiny, Rmarkdown
Development Tools:	Git, Github, Linux/UNIX, Firebase, Tableau, Power BI, Figma, Jupyter Notebook, R studio

EXPERIENCE

IIT, University of Dhaka | *Undergraduate Student Researcher – NLP under Dr. Ahmedul Kabir* ***May 2022 – Present***

- o Researched word embedding methods to understand and create better modeling for Bangla word embedding.
- o Analyzed research papers under Dr. Ahmedul Kabir to collect information regarding Bangla hate speech corpus creation and models.

IIT, University of Dhaka | *Undergraduate Student Researcher – Computer vision under Dr. Mohammad Shoyaib* ***Aug 2022 – Present***

- o Analyzed research papers under Dr. Mohammad Shoyaib to collect information regarding Activity recognition and computer vision models in Industrial setting.

Softanbees Technologies Limited | *Data science Intern* ***Mar 2021 – Aug 2021***

- o Analyzing and generating insights from public data to form blogs (STAR, add more numbers)
- o Creating Data Flow Diagrams, prototyping and wireframes of projects
- o Constructing documentation for research and technical content
- o Creating models for projects like remote heart rate monitoring system, medical application system.

IIT Software Engineering Community | *General member* ***Jan 2020 – Present***

- o Orchestrated and hosted Bangladesh's biggest collection of tech competitions, namely **ITverse** (STAR, add more numbers)
- o Administered the documentation team to ensure smooth communication amongst all stakeholders
- o Lead a team for brainstorming creative visuals and keeping club's social media pages engaged through posts
- o Collaborated with HR team to recruit talented individuals according to their skills for volunteering and management
- o Communicated with the business case team to ensure a smooth experience for the competitors and jury

PROJECTS

Decentralized health ledger | *Solidity, hyperledger firefly, Reactjs* ***Mar 2022 – Present***
- o *Lead a team of 4 to design an ecosystem using **blockchain technology** to create a **distributed heath ledger***
- o *Built the UI and smart contracts of the ecosystem on the test chain.*
- o *Implementing the smart contract using hyperledger firefly*

Hate speech analysis from social media comments | *Pandas, NLTK, NumPy, Google Colaboratory, Python* ***July 2022– Present***
- o ***Trained NLP model with NLTK to classify hate speech*** *using a dataset of 50K comments written in Bengali.*
- o *Built ML pipeline using Logistic Regression, SVM and TF-IDF Vectorization to **achieve 89% accuracy** in random test cases.*
- o *Applied natural language preprocessing techniques to **exclusively extract essential information from dataset.***

ACHIEVEMENTS AND AWARDS

- 2022 **Bronze medal at SDG:3 Category in International Blockchain Olympiad**
- 2022 **Regional Champion at Bdapps Hackathon by Robi**
- 2022 **HeathTech Category award (National Blockchain Olympiad 2022),** Winner for creating a blockchain based EHR platform
- 2022 **Champion (Odommo'50 Super Techfest),** Winner for creating a fire prevention system
- 2022 **Champion(Analytical Quiz at Independence Cup, IIT, University of Dhaka)**
- 2022 **Finalist (RUET CSE Fest 2022)**
- 2022 **Finalist (Mujib 100 Idea contest at IC4IR),** for creating mental health platform "Listener's Lounge'
- 2021 **Runner up (MIST Inter-university ICT Innovation Fest 2021),** under the category Education under COVID 19

CERTIFICATES

- 2022 **"Cyber Security for Information Age: Practices and Challenges", Islamic University of Technology**
- 2020 **"Industrial Data Science in R", Coding Objects Private Limited**