Kazi Hasan Ibn Arif

Machine Learning Engineer and Prospective Graduate Student

Dhaka-1000,Bangladesh

📞 +8801521402031   ✉ hasan.ibn.arif@gmail.com   in LinkedIn   ⦿ Github   ↗ ResearchGate

RESEARCH INTEREST

- Deep Learning
- Medical Computer Vision
- 3D Imaging in Radiology
- Human Computer Interaction

RESEARCH EXPERIENCE

1. Generate 3D Bone from DICOM using Deep CNN   2022
Supervised by Dr. Mahmuda Naznin (BUET)   *Undergraduate Thesis*

- We proposed a deep CNN based approach that can segment 3D bone from radiology image

2. Hybrid Deep Learning Model for Bangla Parts of Speech Tagging   2021
2nd International Conference for Emerging Technology   *Co-Author*

- Paper Link: ↗

  We exploited textual data and long term word dependencies to accurately tag 'Bangla' parts-of-speeches

PROFESSIONAL EXPERIENCE

Machine Learning Engineer at IQVIA ↗   May 2022 – Present
Responsibilities   *Dhaka, Bangladesh*

- Researching and implementing ML algorithms and tools
- Build and deploy ML framework for pharmaceutical industries

EDUCATION

Bangladesh University of Engineering and Technology (BUET)   2017 – 2022
*Computer Science and Engineering - **CGPA - 3.39/4.00** (3.89 in final year)*   *Dhaka, Bangladesh*

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, Shell
Framework: Node, React, Pytorch, JavaFX, Git, OpenGL
Database: Oracle, PostgreSQL, MongoDB
Technology: Linux, Docker, kubeflow,

PROJECTS

Police Department Automation | ⦿ Link | React.js, Node.js, MongoDB   2021

- A web-app that can manage workflow for Police Department, show various analytical data visually and basic HR management

Smartphone Price Predictor in Bangladesh | ⦿ Link | Python, scikit-learn   2021

- Scrapped dataset from popular mobile website for mobile-phone, Rigorous prepossessing of data, Trained and compared between few algorithms

Computer Graphics: Rasterization and Ray Tracing | ⦿ Link | OpenGL library, C++   2021

- Implemented Phong illumination and multi level recursive ray tracing to generate realistic scene

Lines of Action Game | ⊙ Link | **Java, JavaFX**   **2020**
- Developed a hurestic for Ai based board game, GUI using JavaFX

CPP Compiler | ⊙ Link | **Yacc, Lex, C**   **2019**
- Developed pursing, tokenizing, semantic analyser and x86 assembly code generator from input cpp code

Pinterest | ⊙ Link | **PostgreSQL, PHP, HTML, CSS**   **2018**
- Developed a website like pinterest and designed database

Angry Birds | ⊙ Link | **C, iGraphics**   **2017**
- Developed GUI based game using c graphics framework

EXTRACURRICULAR

Shabash Fakibaj LLC ↗   **2020 – 2021**
Campus Ambassador   *Dhaka,Bangladesh*
- I volunteered and represented this organization in my campus which help undergrad students for pursuing higher studies
- Participation Certificate ↗

AWARD

- Fusemachines AI Fellowship 2022
- University Merit Scholarship (7th Semester)
- Admission Test Scholarship
- Bangladesh Physics Olympiad Divisonal (Top 20)