JOHAN KABIR

ABOUT ME

Passionate and rising IT professional hailing from an academic background in Computer Science, with a versatile skillset in the field of programming and digital design. Eagerly seeking to learn and gather more experience in this field, in order to improve and build up on existing set of skills.

SKILLS

- Programming Languages: Python, Java, C
- Web Design & Development: HTML, PHP, CSS, JavaScript
- Database Design & Development: SQL, MySQL, xampp, phpMyAdmin
- Frameworks: Bootstrap, Django, Laravel
- Software Development
- Agile & Scrum Methodologies
- AI, Machine Learning, Deep Learning : Dataset Preprocessing and Optimization, Model Training
- Image Processing Algorithms & Architectures: CNN, Swin Transformer, SeNET, PyTorch, TensorFlow
- Graphics Programming: OpenGL, GLUT, 2D/3D Vector Graphics Design and Animation
- Tools & Technologies: Git, Visual Studio Code, Linux, Microsoft Office Suite (Word, Excel, PowerPoint)

EDUCATION

BSc. Computer Science | BRAC UNIVERSITY **2020-2024**

Related Coursework included Data Structures, Algorithms, Object-Oriented Programming, Computer Architecture, Operating Systems, Software Engineering, Database Management Systems, System Analysis and Design, Artificial Intelligence & Machine Learning.

High School | Sunnydale School **2006-2019**

Completed both my O' levels and A' levels, under the Cambridge curriculum, from this institution.

PROJECTS

BookBug Website | Coursework for CSE470 **Show Project**

E-commerce website for a Bookstore Franchise

Digit Match Game | Coursework for CSE423 **Show Project**

A 2D animated game built with Python, using OpenGL library and GLUT functionalities.

Airline Passenger Satisfaction Prediction using ML | Coursework for CSE422 **Show Project**

A comparative analysis between multiple AI models trained on multiple different machine learning algorithms using a dataset, created using survey responses of airline passengers.

Undergraduate Thesis on AI Image Processing | Coursework for CSE400 **Show Project**

Thesis Title: Fetal Plane Classification from 2D-Ultrasound Images Leveraging Squeeze and Excitation Self-attention Mechanism for Feature Recalibration in MedMamba.