

Md. Injamul Haque

injamul-abeg.github.io | [LinkedIn](#) | [GitHub](#) | [Instagram](#)

Address: Rebæk Søpark 5,149, 2650 Hvidovre, Copenhagen, Denmark.

Email: miha24@student.aau.dk | Phone: +4571482528

CREATIVE TECHNOLOGIST

As a Creative Technologist, I specialize in Computer Vision, Mobile and Web Development, Motion Design, and VR Development. I am passionate about integrating these domains to create innovative and immersive solutions that seamlessly blend technology with artistic expression.

EDUCATION

Aalborg University

Master of Science in Medialogy

Copenhagen, Denmark

September 2024 – Current

- Semester Project: **Aseptic Training in Virtual Reality** - Developed a gamified and adaptive VR application inspired by the EU Commission's Annex 1 regulations to help entry-level cleanroom employees understand sterile medicinal product manufacturing guidelines.
- Course Highlights: Explored 3D Real-Time Graphics Using Unity and Implemented Position-Based Adaptability through Machine Learning to Dynamically Alter Virtual Environments for VR Employee Training Applications.

Jahangirnagar University

Master of Science in Computer Science and Engineering

Savar, Dhaka, Bangladesh

April 2014 – April 2022

- MSc Project: **Low-light Image Enhancement using Multiscale Residual Network and Dual Attention** – Focused on experimenting with novel techniques for image enhancement and noise reduction using CNN.
- BSc Thesis: **Optimal Obstruted Group Trip Scheduling Queries in Spatial Databases** – Developed an algorithm for efficient group travel with obstacle avoidance and optimized POI selection using geometric and Euclidean properties.

EXPERIENCE

Motion Designer

Musical Wind

January 2024 – August 2024

Dhaka, Bangladesh

- As a Motion Designer, I specialize in crafting visually captivating animated music videos using **Adobe Illustrator** and **After Effects**. Bringing narratives to life through dynamic animations and synchronized motion graphics is my forte.
- Mastered storytelling by interpreting song lyrics and sounds to create hand-drawn 2D line illustrations that seamlessly align with the narrative.

Junior Software Engineer

Inovex Idea Solution Limited

January 2023 – December 2023

Dhaka, Bangladesh

- Contributed to the existing Mobile Device Management (MDM) and EMI Locker Android applications using **Java**, integrating REST APIs to improve functionality and user interactivity.
- I actively contributed to the design of the company's portfolio website, utilizing **HTML, CSS, JavaScript, and Bootstrap** to create a visually appealing online presence.

Research Assistant (Computer Vision)

Department of Computer Science and Engineering, Jahangirnagar University

August 2020 – January 2022

Savar, Dhaka, Bangladesh

- Collected and prepared large datasets for computer vision research projects.
- Developed and implemented computer vision algorithms using **openCV, CNN, Autoencoder, and GAN**.
- Actively engaged in continuous learning and skill development to stay updated with the latest advancements in **Computer Vision and Computational Photography**.

Teaching Assistant

Department of Computer Science and Engineering, Jahangirnagar University

July 2019 – December 2019

Savar, Dhaka, Bangladesh

- My responsibilities at the computer laboratory in the Department of Computer Science and Engineering included collaborating with teachers to support them in their project endeavors.

TECHNICAL SKILLS

Languages	: C++, Java, Kotlin, Python, C#
Libraries	: OpenCV, Numpy, Matplotlib, Keras, TensorFlow, PyTorch
Databases	: MySQL, PostgreSQL
Web Design	: HTML, CSS, JavaScript, Bootstrap
Dev Tools	: Android Studio, Eclipse, Pycharm, Jupyter Notebook, Unity
Design Tools	: Figma, Adobe Photoshop, Adobe Illustrator, Adobe After Effects
Other Skills	: LaTeX, Git, Jira

PROJECTS

Aseptic Training in Virtual Reality.

[Source Code](#)

- * Conducted a comprehensive literature review to align the VR application with industry regulations and training needs.
- * Contributed to the design and development of immersive 3D virtual environments simulating cleanrooms.
- * Implemented machine learning using InteractML to dynamically adapt the VR environment based on user position, enhancing personalized training.

Position-Based Interaction Using InteractML in Unity.

[Source Code](#)

- * Designed and implemented a machine learning classification model using InteractML to map real-time position coordinates of an avatar to environmental state changes in Unity.
- * Recorded and prepared a dataset of live position data to train the classification model with distinct movement states.
- * Developed the Unity-based environment to dynamically adjust light intensity based on the classification output, creating an adaptive interaction system.

Object Detection using Vision Transformer.

[Source Code](#)

- * Implemented an advanced object detection system leveraging **Vision Transformer** architecture.
- * Developed a robust solution for detecting and classifying objects in images.
- * Utilized cutting-edge technologies to achieve state-of-the-art performance in computer vision tasks.

HOBBIES AND INTERESTS

- Photography: Passionate about capturing moments and participating in exhibitions and contests.
- Music: Skilled at playing the guitar and exploring sound creation.
- UI/UX Design: Enthusiastic about creating visually engaging user interfaces and enhancing user experiences.
- Extended Reality (XR): Interested in combining visuals, sound, and technology to create immersive experiences.

LANGUAGES

- English: Fluent
- Bengali: Native
- French: Beginner (Learning in Progress)

PROFESSIONAL CERTIFICATIONS

- [Elements of AI](#). (Online course offered from the University of Helsinki and Reaktor with certificate).
- [Neural Networks and Deep Learning](#) (online course offered from deeplearning.ai via Coursera with certificate).
- [Introduction to TensorFlow for Artificial Intelligence, Machine Learning and Deep Learning.](#) (deeplearning .ai)
- [Convolutional Neural Networks in Tensorflow.](#) (deeplearning .ai)
- [Advanced Computer Vision with Tensorflow.](#) (deeplearning .ai)
- [Foundation Photography course from Pathshala South Asian Media Institute](#)
- [Guitar Scales and Chord Progressions from Berklee College of Music](#)