Md Injamul Haque

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Profile

As a creative technologist, I have skills in computer vision, Android development, motion design, photography, and virtual reality, along with research experience. I am passionate about blending these domains to create innovative and immersive solutions that connect nature, art, music, psychology, and neuroscience, aiming to enhance aesthetics, education, and healing.

Education

EPITA   Paris, France
Master of Science in Artificial Intelligence Systems   *September 2025 – Current*

Aalborg University Copenhagen   Copenhagen, Denmark
Master of Science in Medialogy   *September 2024 – August 2025*

Jahangirnagar University   Dhaka, Bangladesh
Master of Science in Computer Science and Engineering   *April 2014 – April 2022*

Pathshala South Asian Media Institute   Dhaka, Bangladesh
Foundation of Photography   *April 2019 – June 2019*

Work Experience

Motion Designer   January 2024 – August 2024
Musical Wind   *Dhaka, Bangladesh*

- I created visually engaging animated music videos using Adobe Illustrator and After Effects.

- Interpreted song lyrics and sounds to produce hand-drawn 2D line illustrations that matched the story and mood.

Software Engineer Intern   September 2023 – December 2023
Inovex Idea Solution Limited   *Dhaka, Bangladesh*

- During my 4-month internship, I learned the basics of Android development using Java, including OOP concepts, Activities, Fragments, Firebase, MySQL, and REST APIs.

- I contributed to existing application Mobile Device Management (MDM) system app by integrating REST APIs, improving functionality, and enhancing user interaction.

Research Assistant (Computer Vision)   August 2020 – January 2022
Department of Computer Science and Engineering, Jahangirnagar University   *Dhaka, Bangladesh*

- As a Research Assistant under the supervision of Assoc. Prof. Sarnali Basak, I learned the basics of computer vision and image processing using OpenCV and CNNs. I also learned basic research skills and gained hands-on experience with real datasets.

- I worked on projects such as image enhancement, emotion detection, and compared different image quality evaluation metrics like MSE, SSIM, and PSNR.

Technical Skills

Programming   : C++, Java, Python, C#

AI Frameworks : OpenCV, Keras, TensorFlow, NumPy, Matplotlib

Databases   : MySQL, Firebase

Dev Tools   : Unity, Android Studio, Jupyter Notebook, Git, Jira

Design & Media : Figma, Adobe Creative Suite

Other Skills : LaTeX, Zotero

Research & Project Experience

Natural Rhythm: Real-Time EEG/EDA Biofeedback for XR Mindfulness.   Link
Supervised by Prof. Rolf Nordal and Stefania Serafin, Aalborg University Copenhagen, Denmark.

- Design & built the spatial 3d sound in Unity, explored how nature and musical rhythm can create a soothing effect in the brain and contributed to the experiment design, including user testing setup and data collection for system evaluation. (In preparation for Conference).

- Implementation part is Awarded 3rd Prize in Programming & Artistic Project at the G.Tec BCI & Neurotechnology Spring School 2025 Hackathon (Copenhagen, Denmark/Worldwide event)

Aseptic Training in Virtual Reality.   Link

- Conducted a comprehensive literature review to align the VR application with industry regulations and training needs.

- Contributed to designing immersive 3D cleanroom environments and implemented machine learning with InteractML for dynamic, position-based adaptation to enhance personalized training.

Position-Based Interaction Using InteractML in Unity   Link

- Designed and implemented a real-time ML classification system in Unity using InteractML to map avatar position data to dynamic environmental changes.

- Collected and labeled live position data to train a KNN model for binary movement state classification.

Mood-Based Chord Progression App   Link

- Developed an Android application in Java that generates chord progressions based on selected key and mood, such as, Happy, Sad, Energetic, Romantic, Mysterious.

- Implemented a music theory–based algorithm to generate emotion-driven chord progressions with real-time audio playback.

Hobbies & Interests

- Photography: Passionate about capturing moments and participating in exhibitions and contests.

- Music: Skilled at playing rhythm guitar and exploring sound creation.

Languages

English (Fluent), Bengali (Native), French (A1)