Md. Injamul Haque

Location: Dhaka, Bangladesh

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SOFTWARE ENGINEER

As a Software Engineer, I possess proficiency in Image Processing, Computer Vision, Mobile and Web Development, and Motion Design. My deep interest lies in harmoniously blending these areas to craft my own distinctive workflow.

TECHNICAL SKILLS

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

EXPERIENCE

Motion Designer — January 2024 – Present
Musical Wind — *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
- Additionally, I am actively involved in building a portfolio website for my present company. This project reflects my commitment to showcasing innovation and providing a seamless user experience in the digital space.
- I aim to leverage my expertise in motion graphics to enhance web design, with the goal of creating visually interactive websites that enchant and engage users in innovative ways.

Software Engineer — January 2023 – December 2023
Inovex Idea Solution Limited — *Dhaka, Bangladesh*

- Contributed to the existing Mobile Device Management (MDM) and EMI Locker Android Applications based on **Java.**
- Worked with **REST APIs** to retrieve and display data from web services, enhancing the functionality and interactivity of the application.
- 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) — August 2020 – January 2022
Department of Computer Science and Engineering, Jahangirnagar University — *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.**
- Conducted experiments to evaluate the performance of computer vision algorithms and analyzed the results.
- Actively engaged in continuous learning and skill development to stay updated with the latest advancements in computer vision.

Teaching Assistant — July 2019 – December 2019
Department of Computer Science and Engineering, Jahangirnagar University — *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.

Education

Jahangirnagar University Savar, Dhaka, Bangladesh
Master of Science in Computer Science and Engineering *January 2020 – March 2022*

Jahangirnagar University Savar, Dhaka, Bangladesh
Bachelor of Science in Computer Science and Engineering *April 2014 – May 2019*

Projects

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.

Image Quality Metrics Comparison. Source Code

* Conducted a comprehensive analysis of image quality using various metrics, including Mean Squared Error (MSE), Structural Similarity Index Measure (SSIM), and Peak Signal-to-Noise Ratio (PSNR).
* Evaluated and compared the performance of these metrics across different sets of images.
* Provided insights into the strengths and limitations of each metric in assessing image quality.

Find Device Address with Geocoding API Using Java (Android). Source Code

* Implemented a location-based service using the Android Location Manager to obtain accurate longitude and latitude coordinates.
* Integrated the Geocoding API to translate obtained coordinates into human-readable addresses.
* Developed a seamless solution for efficiently retrieving and displaying device locations on-demand.

News App Using Java (Android). Source Code

* Integrated the News API to fetch and display real-time news articles from diverse sources.
* Successfully developed a feature-rich news app with a focus on user experience and accessibility.
* Overcame challenges related to API integration, offline functionality, and error handling to deliver a seamless news browsing experience.

Management and Leadership Skills

* Demonstrated leadership as a group leader on multiple projects, showcasing the ability to coordinate and guide teams toward successful outcomes.
* Organized seminars and workshops as an executive member during my bachelor's degree at Jahangirnagar University, highlighting strong organizational and event management skills.
* Engaged as a Member of the Jahangirnagar Photographic Society, participating in a community of like-minded individuals passionate about photography and visual storytelling.

Professional Certifications

* Programming for Everybody (online course offered from University of Michigan via Coursera with certificate).
* Python Classes and Inheritance (online course offered from University of Michigan via Coursera with certificate).
* Python Data Structures (online course offered from University of Michigan via Coursera with certificate).
* 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