

ISTIYAK AHMED

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[LinkedIn](#) · [Portfolio](#)

Passionate Computer Science graduate experienced in diverse application development, including 3D/2D games, simulations, multiplayer, VR, and Android. Deep interest in cutting-edge technologies like ML, AI, and Computer Vision. Committed to pushing boundaries in game development and emerging tech, seeking innovative solutions.

EXPERIENCE

NOV 01, 2021 – PRESENT

UNITY DEVELOPER, ALIENIDE INTERACTIVE

As part of my current responsibilities, I am focused on developing various types of games, including 2D and 3D casual games, hyper casual games, and card games. Additionally, I am responsible for creating engaging VR experiences, high-performance WebGL applications, and native Android applications. I am also working on machine learning projects and developing fun and interactive multiplayer games.

JUN 01, 2021 – OCT 01, 2021

ASSISTANT SOFTWARE ENGINEER, ARCLITE SYSTEMS LIMITED

I was responsible for developing a range of games, including 2D and 3D casual games, hyper casual games, and card games. I was tasked with creating exciting and challenging gameplay mechanics that kept players coming back for more. Additionally, I was responsible for ensuring that the games were optimized for performance across various platforms, including mobile, desktop, and VR.

EDUCATION

MARCH 2021

BSC, SHAHJALAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

Bachelor's Degree in Computer science and engineering
CGPA: 3.18

JANUARY 2015

HSC, CAMBRIAN ACHOOOL AND COLLEGE

GPA: 5.0

JANUARY 2013

SSC, CAMBRIAN ACHOOOL AND COLLEGE

GPA: 5.0

SKILLS

- Unity
- Unreal Engine
- Android Studio
- C, C++, C#, Java, Python, Kotlin
- Git
- Pytorch

RESEARCH

[Image Preprocessing For OCR]

Our team has developed a highly effective preprocessing method that prepares images for OCR (Optical Character Recognition) analysis, resulting in improved OCR performance. This method involves a series of image enhancement techniques that optimize image quality, such as noise reduction, image binarization, and contrast adjustment. By applying this preprocessing method, we are able to increase the accuracy of OCR analysis, even for low-quality or low-resolution images. Our work has enabled more accurate and efficient processing of text data from images, providing significant benefits in areas such as data extraction and document digitization.

[Tiny Object Detection]

Our team successfully developed an object detection model using PyTorch YOLOv8 to detect the presence of Rich and Kernel in food supplies for the World Food Programmer (WFP). This model is a powerful tool for ensuring that food aid is distributed equitably and that the nutritional needs of those in need are met. Through extensive testing and training, we were able to create a highly accurate model that can identify these critical food items with a high degree of accuracy. Our work has contributed to the WFP's mission of fighting hunger and promoting food security around the world.