ISTIAK **AHMED**

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LinkedIn · Portfolio

Dedicated graduate of Computer Science with experience developing a variety of applications, such as 3D/2D games, simulations, multiplayer games, virtual reality games, and Android games. Strong passion for emerging technologies such as machine learning, artificial intelligence, and computer vision. devoted to breaking new ground in the field of game development and emerging technology while actively searching for novel approaches to existing problems.

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 31,2021

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 ACHOOL AND COLLEGE

GPA: 5.0

JANUARY 2013

SSC, CAMBRIAN ACHOOL 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 powerful preprocessing technique that optimizes images for optical character recognition (OCR) analysis. Noise reduction, image binarization, and contrast enhancement are just some of the methods used in this process to improve image quality. We can improve the precision of OCR analysis even for low-quality or low-resolution images by employing this preprocessing technique. Our efforts have improved the accuracy and efficiency with which text data is extracted from images, which has important implications for fields like data extraction and document digitization.

[Tiny Object Detection]

Our group used PyTorch YOLOv8 to create a model that can detect rice and kernels in food supplies for the World Food Programme (WFP). This model is a useful tool for distributing food aid fairly and meeting the nutritional requirements of those in need. Through rigorous testing and training, we were able to develop a model with a high degree of accuracy for recognizing these essential food items. The World Food Programme's (WFP) efforts to end world hunger and improve food security have benefited from our efforts.