

# Aditya Dutta

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LinkedIn: [www.linkedin.com/in/adityadutta32](https://www.linkedin.com/in/adityadutta32) | Website: [adityadutta.github.io](http://adityadutta.github.io)

## Technical skills

- Strong programming skills in C++ and C#
- Experience developing with Unity SDK and Vuforia AR SDK
- Experience developing for Windows and Android
- Code Design: Design patterns, reading and writing design documents
- Game Design: Experience designing and documenting game mechanics and systems
- Code Debugging: identifying and crafting solutions for bugs
- Strong Math Skills: Vector, matrix and Quaternion operations as related to game development

## Skills

- Excellent outside-the-box problem solving skills
- Intense passion for video games and their culture
- Attention to detail to achieve perfection
- Excellent team player with strong communication skills
- Experience leading and managing group projects
- Patient and efficient teacher
- Hardworking and committed
- Ability to learn and adapt with great speed
- Self-motivated with time management skills

## Education

### Game Programming

September, 2017 –

Humber Institute of Technology and Advanced Learning  
Toronto, ON

## Work Experience

### Developer Internship

October 2017 -

Gaia Plants, Toronto ON

- Developed an iOS and Android app in Unity.
- Managed events and workshops.

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## Academic Projects

### A Cleansers' Transmission

January, 2018

Humber Institute of Technology and Advanced Learning

- A 2D platformer made in 48 hours for Global Game Jam 2018.
- Made in Unity3D.

### Apocalypse2D

December, 2017

Humber Institute of Technology and Advanced Learning

- A 2D platformer made in 48 hours for Ludum Dare 40 Game Jam.
- Uses simple physics for game mechanics.

### Maze AR

September, 2017

Humber Institute of Technology and Advanced Learning

- An AR puzzle game made in Unity3D
- Uses Vuforia AR SDK.

### Save Your Soul!

April, 2017

- A multiplayer FPS made in Unity3D.
- Uses uNet SDK for networking.
- Player UI and stats.

### Distortion2D

September, 2017

Humber Institute of Technology and Advanced Learning

- An adventure game made in Unity3D
- Made rotating wheels using Quaternion
- Made see-saw using hinge-joint physics

### Roll A Ball 3D

July, 2017

- Adventure game built in Unity3D and C# for Android

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## RPG Project

September, 2017

Humber Institute of Technology and Advanced Learning

- Built in Unity3D
- Uses NavMesh for point-to-move system
- 3D model and animation in Blender
- Incorporated AI for enemies

## Portfolio Website

November, 2017

Humber Institute of Technology and Advanced Learning

- Built in HTML5, CSS & JavaScript
- Simple design and responsive

## A3 Studios Website

September, 2017

Humber Institute of Technology and Advanced Learning

- Built in HTML5 & CSS
- Simple design and responsive

## Smart Travel

February, 2017

Bluebells School International

- Built entirely in C++
- Experiment to combine the online travel portals to a software.
- Uses user input and preferences to sort location and pricing.
- Billing and booking of tour.

## Co-curricular Record

### Community Service

- Taught underprivileged children Math and Science in a Non-profit Organization.

### ENIAC Club Gaming Head 2016-17

- Responsible for holding the gaming event for the computer fest (VIRUS '16).
- Contacted sponsors for funding.

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## Making Accessible Media: Inclusive and Accessible Design in Broadcast Media

- The course focuses on representation of disability in broadcast media, captioning, transcription, described video and live captioning for broadcast, alternative text for image description and tutorials on how to make accessible documents and presentations.

## High School Soccer Team 2013-17

- Played as the center back.
- Quarterfinalists in 2014 and Semi Finalists in 2016.

## Junior Diploma in Painting

- Scored a 92% in final exam.
- Specialization in Still Life and Oil Pastels.

## Fit in Deutsch A2 Level

- School Topper in German certification exam.

## National Winner for Circuitrix Jr. ESYA '16

- Won the national electronics event at IIIT Delhi.
- Came first out of 200 teams from all over the country.

References available on request