Souvik Sardar *Game Programmer*

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Junior game programmer with a passion for the industry, I bring years of experience in developing games since high school. With a strong foundation in programming languages like **C++** and **C#**, and a focus on gameplay programming. I have successfully published **10 games**, including **4 games** available on the **Play Store**. Experienced in utilizing **Cocos2d-x** and **Unity** game engine.

Skills

Programming Languages	Game Engines	IDE	Others
C, C++, C#, Python(Basic)	Unity, Cocos2d-x	Visual Studio, Android Studio	SQL, HTML, CSS, PHP, Github, GIMP

Personal Projects

BASE DEFENCE, *A 2d topdown real-time strategy game*
Links | **Github** ↗ | **Itch.io** ↗
- Developed a game based on Age Of War in Unity.
- Use of Finite State Machines (FSM) in Tank and Artillery AI.
- Use of virtual currency to buy Tanks and Artilleries and enemy wave system.
- Use of different tank sound effects.

CRAZY COPS, *Top-down car chase*
Links | **Github** ↗ | **Itch.io** ↗
- Implemented a 2d car controller with realistic engine torque curves in **Unity**.
- Implement basic cop car AI that chases, surrounds and blocks player car from moving and also arrest.
- Used **Tilemaps** for cities and road.

BALANCE THE BALL, *Casual*
Playstore **link** ↗
- Designed and developed a casual game where you have a red ball and you have balance it on a seesaw.
- Used **Cocos2dx** framework and **C++** language for development.
- Used **Android Studio** for porting to android platform.

SHAPE EDITOR, *Box2d shape editor tool*
Github **link** ↗
- Written completely from scratch with **C++** and **Cocos2dx** framework.
- Integrated **Box2d** runtime for testing.
- Completely redesign the UI.
- Redesign internal logic and workings some design patterns and architecture followed from the original editor's source code.

Education

IT A Level (BCA Equivalent), *National Institute of Electronics and Information Technology*   2021 – present
Advanced Diploma Course in Computer Application.

IT O Level, *National Institute of Electronics and Information Technology (NIELIT)*   2018 – 2020
Foundation Level Course in Computer Applications.

Higher Secondary, *Dakshin Barasat S.A. High School*   2018

Interests

Reading story books, Sci-Fi/Thriller Movies, Electronics