Curriculum Vitae

Personal Details:
Name: Aniruddha Prithul
Address: Apt-8D, Kanisha Heights, Elephant Road, Dhaka.
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Date of Birth: 28 March, 1994
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Academic History:

Degree	Year	Institute	Result
HSC	2009	SOS Hermann Gmeiner College	5.00
SSC	2011	SOS Hermann Gmeiner College	5.00
BSc in CSE	2012-16	Khulna University	3.50

Skills:
- **Languages** : C, C++, C#, Java, Python, PHP, Javascript, HTML, CSS
- **Databases**   : MySql, Sql Server
- **Frameworks:** Android SDK, Laravel, SDL, LibGDX, OpenGL, Unity Engine, OpenCV
- **Tools**   : Visual Studio, Eclipse, Android Studio, Code:Blocks, Git, Trello, Linux shell

Achievements:
- Winner (as Team Leader) of EATL-Prothom Alo apps contest 2015
- 1st position in project show, Khulna University CSE Fest, 2015
- 4th position in android training workshop conducted by Ministry of ICT
- Undergraduate scholarship for academic performance (twice)
- ACM-ICPC 2014 regional finalist.
- SSC scholarship (With board placement)
- Primary scholarship

Work Experiences:
- Intern at *Onnorokom Soft*, Dhaka
- Freelance game developer on 4 projects at *Freelancer.com*

Projects:

Class Projects:

- **Breakout game (***Term 1-1***):** A 2D break-out game similar to DX ball for C language lab project. made using the SDL library.

- **2D side scrolling game (***Term 1-2***):** A 2D side scrolling game for java language lab project. Made using the Slick2D library.

- **3D online multiplayer shooting game (***Term 2-2***):** A 3D multiplayer shooting game for android devices. Made using C# in Unity Engine.

- **Medical Centre Management System (**Term 3-1**):** A web application for Khulna University Medical Centre. Made using PHP, Javascript, HTML, CSS, MySQL database.

- **Demo website for CSE Discipline (***Term 3-2***):** A demo website and its accompanying custom admin panel for Khulna University CSE Discipline made with Laravel framework.

- **Email and DNS server setup (***Term 4-1***):** Setting up a DNS server and a mail server on Ubuntu Linux. Postfix and Dovecot were used.

- **Automatic question generator (***Term 4-1***):** A web application for *Onnorokom Soft* capable of editing, storing and generating MCQ questions with complex equations formatted with Latex.

Personal Projects:

- **Rickshaw Racing Dhaka (2015):** A 3D racing game for android devices. Made in Unity Engine using C#.

- **Pixtory (2013):** A photo diary for android devices. Eclipse with Android SDK used for development.

- **Crash the Bubbles (2013):** A 2D android game made with LibGDX published on Google Play store.

- **This Game is Hard (2014):** A 2D android game made with Unity engine and published on Google Play Store.

- **Web Scrapper (2015):** Simple web scrapper to automatically scrap a certain web page and show intended metrics.

- **Python chatting application (2014):** Simple P2P chat application in python.

- **What The Hill (2016 -):** A still in-development game for android, iOS and web platforms using Unity Engine.

Thesis:

    Title:
    Design and Development of an Image Analysis Based Interaction
    Controller for Mobile VR Edutainment Application

    Description:
    We made an interaction controller that can be used with mobile VR
    devices. The user holds the controller in his hand. The controller's
    position and movement is captured with a regular webcam. This
    captured image is then analysed and the position of the controller in the
    virtual reality world is determined from it. This information is then sent
    wirelessly to the VR mobile device. The mobile device updates it's
    representation of the VR world accordingly. The player can thus see his
    hands movement translate in the VR world. The system is completely
    image based and there is no wired or wireless connection with the
    controller. Thus it is completely platform agnostic.

Interests:

- Game development
- Computer Graphics
- Procedurally generated content
- Computer Vision
- Big Data

Hobbies:

    Playing and making video games, reading books, travelling, listening to
    music, singing, watching movies

References:

    • Dr. Kamrul Hasan Talukder

    Professor, Khulna University, Bangladesh

    Head of CSE Discipline

    Email address: khtalukder@gmail.com

    • Kazi Masudul Alam

    Assistant Professor, Khulna University, Bangladesh

    Thesis Supervisor

    Email address: kmalam29bd@yahoo.com