

GSoC 2011

Google Summer of Code Proposal

By Shivansh Srivastava

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Biography

My name is Shivansh Srivastava. I was born in New Delhi, India on December the 25th, 1991. I am a second year Engineering student pursuing the degree of B.E.(Hons.) in Electronics & Instrumentation at BITS Pilani-Goa Campus. I passed my 12th standard with 95% marks and my 10th standard with 95% marks. My skills, which started as my hobbies & childhood interests, are in the field of Game Development, Web Designing, and Computer Programming. Apart from this, I am a Midfielder in my Football Team, a Football Enthusiast – a diehard Manchester United fan, a Guitarist & a Singer.

Skills & Experience

1. Good programming skills in C, C++, C#, using linked lists. I have gone through a lot of AbiWord Code in C++, & I would be able to help in its development. I have basic programming knowledge with JAVA, having made basic apps for Android environment, but what I lack in programming skills, I will make it up my working hard.
2. I have also worked on websites, & have a good amount of knowledge in JQuery, JavaScripts, CSS, XML/HTML, AJAX, PHP-MySQL, Flash based websites.
3. I have worked on Windows Phone 7 mobile OS platform & developed many apps/games for the same. Since it is not open source, I have sourced a few games in my college, which were although basic, but were received with a lot of positive feedbacks from the college students.
4. I have also made Windows based Apps & Games, Web based apps (email apps), which dynamically connect with databases using MySQL Server, stored both locally as well as on a cloud (Windows Azure).
5. I have a lot of experience in 3-D animation softwares, namely Autodesk MAYA & 3DS Max. I made 3-D objects in MAYA, which I integrated in my Racing & Action Game using the XNA 3.0 & 4.0 Frameworks.

Managerial Experience

1. I hold the position of Secretary of the On-Campus BITSAA team and Alumni Affairs Division, which come directly under the Director of the college. **(From Aug 2010 to Present).**
2. I am the Information Officer working for BITSAA International. **(From Oct 2010 to Present;** <http://www.bitsaa.org/>**).**
3. I am a member of the BITS-Mozilla chapter.
4. I am in the coordinating team of Computer Graphics Club.
5. I am a member of ASME (American Society of Mechanical Engineers) and currently researching in the field of Micro-Electro-Mechanical Systems (MEMS).

Why am I the Right Person to be selected for this project

1. I have a sound background in programming in C++, C# & C. I feel I have spent a lot of time gathering knowledge in various fields till now. Therefore, I feel my skill sets could be useful in handling Real World Projects. I don't shy away from responsibilities and will be completely open to my mentor in my weekly progress. I have a sound background in Computer Programming, but what I lack in experience; I will make it up by working hard.
2. I have a compulsory Summer Internship, which would start from 20th May, 2010. Although, I would have to go to another city for the Internship, I would be able to give 6-7 hours every day & more on the weekends. Obviously, I would have to talk more with the mentor regarding the time dedication to my project.
3. I have a sound background in 3D Animation & its visualization, in XNA 3.0 & 4.0 Frameworks, required in Windows & Windows Phone 7 App development. I would like an opportunity to deal with such projects, which could give me invaluable experience.
4. I would also like to propose if the same environment could be built to be able to build/run Apps on Windows Phone 7, which I know is a tedious task, but could at least be initiated, in which a lot of interaction with the mentor would be required.

Project Schedule

I am a second year student in my college, & the summer internship (which is at the end of 2 years), , starting from 20th May to 24th July, is just a formality for us, where we would have to learn for about 6-7 hours a day. Also, I would also be coding the project during the internship itself, while in the company too. And also, I would be free on Saturdays & Sundays. The main thing teachers require is a presentation at the end of the internship. I think I would be able to give 7-8 hrs per day for coding, even during internship.

I don't think my internship won't pose any problems in my project.
