

ABHISEK SHARMA

Male, Indian, 20

Indian Institute of Information Technology,
Allahabad (Amethi Campus).
India

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OBJECTIVE

To obtain a summer internship (2-3 months) providing a platform to work for research projects requiring Computer-aided capabilities for their respective domains.

PERSONAL DETAILS

- Father's Name: Mr. Vijay Kumar Sharma
- Date Of Birth: March 22, 1989
- Languages Known: Hindi, English
- Permanent Address: A-229, Trans Yamuna Colony
Rambagh, Agra.
Uttar Pradesh (PIN 282006), India

EDUCATION

B.Tech (V sem)	Information Technology	CGPA : 8.04
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Semester	I Dec 07	II May 08	III Dec 08	IV May 09
GPA	8.14	7.79	8.85	8.04

Class XII (CBSE)	2007	St. Andrews Inter College	81.02%
Class X (ICSE)	2005	St. Conrad's Inter College	90.04%

SOFTWARE SKILL SET

- Languages** : C, C++, PL/SQL (MySQL)
Java, PHP, Linux Shellscript, Ajax, ActionScript.
- Operating System** : MS Windows, GNU/Linux
- Libraries & APIs** : Standard Template Library (*STL*, C++), *OpenGL* (freelut, C++), *Qt4* (C++), *Intel TBB* (Threading Building Blocks,C++), *Win32 API*
- Others** : Linux Kernel Programming, Linux from Scratch, Server Management (FTP, HTTP, Jaxer(AJAX))

ACADEMIC ACHIEVEMENTS

Publication:

- Co-Authored a research paper selected to be published in *ACM International Journal of Futuristic Computer Applications* (IJFCA) on **Graphical Driver Development Kit (GDDK) For Linux**.

Awards:

- Won **1st prize** in “**Elocution**” & also “**Singing**”, conducted in IIIT-Allahabad Main Campus on the event of Foundation Day of IIIT 2007.
- Won **1st prize** in “**MindSpeak**”, conducted by the Literary Club in IIIT-Allahabad Main Campus on the event of annual fest EFFERVESCENT 2008.
- Won **3rd prize** in “**FOSS** (Free and Open Source Software) **Quiz, March 2009**”, conducted by Sun Microsystems in IIIT-Allahabad Amethi Campus.
- Won **1nd prize** in “**FOSS** (Free and Open Source Software) **Quiz, September 2009**”, conducted by Sun Microsystems in IIIT-Allahabad Amethi Campus.
- Won **2nd Prize** in “**Mind your Language**”, a debugging competition, organized by Delhi University Computer Science Society, as a part of their tech-fest **Sankalan 2009**.
- Won **3rd Prize** in “**Alcoholics**”, an algorithm creation competition, organized by Delhi University Computer Science Society, as a part of their tech-fest **Sankalan 2009**.
- Worked to implement Google Apps. as a part of “**Google's Got the Aptitude Challenge**”, which included making a web site implementing various Google's Apps. like Gmail, Gtalk, Google Docs., Google Calendar etc in the year 2008.

PROJECT WORK

Title: Movie with an animated character

Category: Computer Graphics

Tools Used : C++, Linux shell scripting, OpenGL, JavaFX, Tile Rendering Library,ffmpeg.

Duration: (Feb-May 2009), **Place:** IIIT Allahabad, **Role:** Group Leader (team size:6)

Mentor: Dr. Pavan Chakraborty, IIIT Allahabad

Description: Inserting an animated character in a movie and making a rotating 6-faced media player to play that movie.

Title: Virtual Labs.

Category: Web Designing, Simulation, Server Management.

Tools Used : Javascript, HTML 5, Adobe Flash, ActionScript, Windows Server 2008 , ASP.NET

Duration: May-Jun 2009, **Place:** Dayal Bagh Education Institute, USIC Dept., Agra.

Mentor: Prof. P. Swami, DEI USIC Dept.

Description: Developed simulation on ECG and Cyclic Voltammetry. Developed the website and set up the server for the USIC dept. of the university for the project named Virtual Labs hosted by the Indian Ministry of Human Resource and Development(as a prt of summer project).

Title: Graphical Driver Development Kit for Linux

Category: Unix Development

Tools Used : Linux kernel Code, C++, Qt4, Linux Shell Scripting.

Duration: Aug-Dec 2009, **Place:** IIIT Allahabad, **Role:**Member (Team size : 3)

Mentor: Dr. Pavan Chakraborty, IIIT Allahabad

Description: Developed a tool that assist the driver development process in Linux.

Title: Online Banking System

Category: Software Engineering, Web Design

Tools Used : AJAX, PHP, MySQL, Umbrello UML Modeler, Jaxer.

Duration: Sep-Oct 2009, **Place:** IIIT Allahabad, **Role:** Project Member(Team size: 4)

Mentor: Mr. O.P.Vyas, IIIT Allahabad

Description: Developed a website that automates the banking process keeping security in concern.

Others:

- Development of a **rule based intelligent system “AIChef”** that generates a list of plausible dishes based on available ingredients.
- A tool (a **metaprogram**) developed using Win32 API that can be used to generate codes of applications (Win 32 based) implementing the State machine Architecture given by the user.
- Development of a **English Tutorial Website** (as Communication Skills Lab. project, I sem.)

TECHNICAL ABILITIES & INTERESTS

- Ability to grab up any platform(fast), independent of its nature, to implement a certain task.
- Ability to modularize the work given.
- Ability of a good orator and a presenter(effective communication skills).
- Exploiting new technologies
- Spreading and contributing to Open Source Softwares and limit piracy.
- Exploring Linux Kernel
- Exploiting Linux for day to day tasks.
- Gaining information on FOSS.

EXTRA CURRICULAR ACTIVITIES

- Won prizes in singing competitions .
- Won prizes in elocution, debate and other literary events.

Positions of Responsibility :

- Volunteered as **Teaching Assistant** for the courses on *Introduction to Computers and Programming*.
- Actively Represented [Virtuosi](#), The MUSIC Club, IIIT-A (during Jan 2008-2009 onwards).
- Attended workshop on “Optimizing Performance of **“Parallel Programs on Emerging Multi-core Processors & GPUs”**” in IIT Madras from Jun 1-5 2009.
- Participated as a member of organizing committee in “**National Workshop on Rural development Initiatives and ICT**” in IIIT Allahabad Amethi Campus on April 15, 2008.
- Presented a paper in the “ **National Seminar on Rural Services: Contents, Delivery and ICT**” in IIIT Allahabad Amethi Campus on Aug 21, 2008.

REFERENCES

- Dr Pavan Chakraborty
Assistant Professor,
Indian Institute of Information Technology, Allahabad
Email: pavan@iiita.ac.in
 - Dr Sanjeev B. S.
Assistant Professor,
Indian Institute of Information Technology, Allahabad
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 - Swami P. Satsangee
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