	Kaushal Jain	09010005
	Electrical Engineering	UG Third Year(Dual Degree)
	Indian Institute of Technology, Bombay	Male
	Specialization: Microelectronics	DOB: 24 Nov 1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	9.29

SCHOLASTIC ACHIEVEMENTS

- Cleared **National Talent Search Exam** conducted by the **NCERT** and awarded **scholarship**   *(2007)*
- Qualified in **INChO**[Indian National Chemistry Olympiad] for being amongst **top 1%** in India   *(2009)*
- Awarded the **Principal's Medal** for overall **best child** in Secondary School   *(2007)*

INTERNSHIP, TouchMagix Media Pvt. Ltd., Pune, India   *(May 2011-Jul 2011)*

- **Innovated** a **3D interactive game** completely controlled by **body motions** for Windows
- **Extracted** meaningful data after **analyzing raw depth maps** given by Microsoft Kinect sensor
- **Conceptualized** the entire game play and executed it in **Unity3D** game engine
- **Volunteered** to take **2 day tutorials** on 3D game development concepts and was **highly appreciated**

KEY PROJECTS

Karan Arjun -Mars Manouvere (TechFest 2011)-*A grid solving robot*   *(Dec 2010-Jan 2011)*
- Built an **autonomous robot** that manouveres a 7*7 grid and a **manually controlled robot** which goes and deposits the autonomous robot. Reached the **National Finals** of this contest

Mindspace (MIT Media Lab Workshop 2011) - *A 3D interface with Microsoft Kinect*   *(Jan 2011)*
- **Segmented** out **human body** from the depth maps to show a **user's perspective** of a 3D image on screen

Tracker Bot/ Bot Follower-*Summer Project under Electronic Club of IIT Bombay*   *(May-June 2010)*
- Built a robot that autonomously follows another robot based on **Image Processing**

Response Tester-*Guides: Prof. Sachin Patkar and Prof. Udayan Ganguly*   *(Mar 2011-Apr 2011)*
- Applied basic digital logic to build a **game** which **tests your reflexes** and rates you

Mini UID Project (Unique Identification)-*Guide: Prof. Deepak B. Phatak*   *(Oct-Nov 2009)*
- Coordinated a group of **20 colleagues** for building a **Graphical User Interface for** registrations

EXTRA CURRICULAR ACTIVITIES

Core Team Member, Events, Student Alumni Relations Cell, IIT Bombay   *(Mar 2011-ongoing)*
- Collectively **leading** a team of over **30 volunteers** for building better student alumni relations
- Jointly coordinating the planning, conceptualization and execution of the first ever Student Alumni Meet

Other positions
- Served as **Technical Secretary** of my Hostel (strength 350)   *(2010-2011)*
- Was a member of the **TechniC** - Technical Club of IIT Bombay   *(2010-2011)*

Miscellaneous Activities
- Scaled **15,700** feet in the **Himalayas** and secured **highest grade** in **Basic Mountaineering Course**, organized by Indian Mountaineering Federation   *(July 2010)*
- Exposure to various techniques for **rock-climbing**, **ice-craft** and **snow-craft**
- **Mentored** the first year students for **Track Mania**, a robotic car making competition   *(Aug 2010)*
- Designed a **solar boat** capable of running in water on solar energy in **Techfest**   *(Dec 2010)*

SOFTWARE SKILLS

- **Software:** Basics of Scilab, Mathematica, Eagle, Visual C/C++, Matlab, PSpice, LTSpice
- **Languages and Web:** C,C++, Verilog HDL, Assembly language (8085), HTML, CSS