



was born on: Nov 20, 1991
 from: 4317/3 Ansari Road,
 Darya Ganj, New Delhi - 02
 live in: Hostel 7, 710, IISER Mohali, Sector-81
 Knowledge City, Mohali, Punjab
 tel: +91 8968 1723 89
 email: toAtulArora@gmail.com
 blog: KnowledgePayback.blogspot.com

Objective Get a summer internship for exploring Quantum Mechanics in further depth

Projects

School Bell Scheduler
This program automates the ringing of school bells. The user simply needs to specify the schedule. This was demonstrated by me at IIT Delhi's National Convention.

School Bell Scheduler 2
This version used UART for secure communication with the hardware. It was installed in Srijan School, Model Town, Delhi.

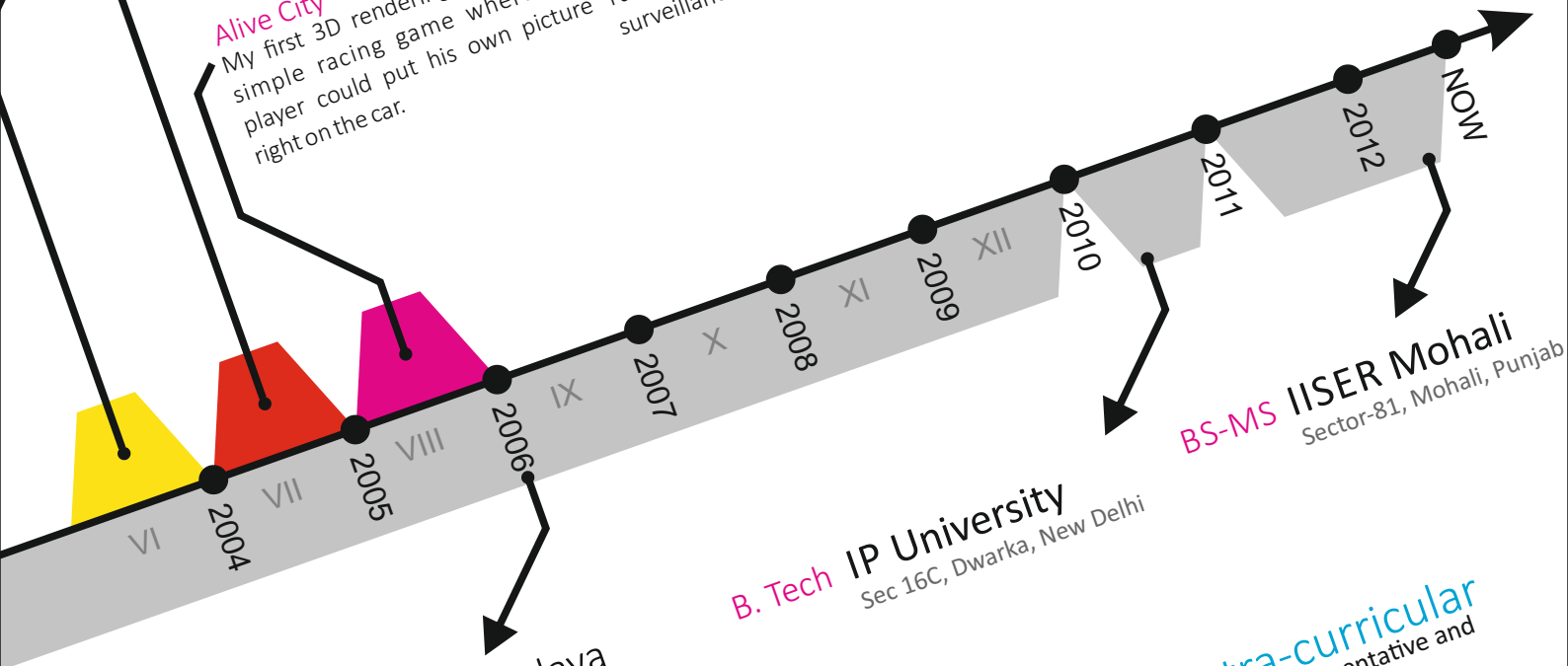
Alive City - DirectX 8.0 Game
My first 3D rendering program, a simple racing game where the player could put his own picture right on the car.

AT Keyboard Interface
Low cost, portable Typing Tutor, developed using a micro-controller and an LCD. Programmed in Basic.

Motion Detection - Image Processing
This program was developed to save pictures only when motion is detected, using a rudimentary algorithm with a webcam, for surveillance.

Edge Detecting Robot

Built using stepper motors and a microprocessor, this vehicle was programmed to detect edges of a table and turn around to avoid falling. This secured a third position in an inter-school electronic competition, despite a component failure.



Education

Schooling

Sardar Patel Vidyalaya
Lodhi Road, New Delhi - 03

B. Tech IP University
Sec 16C, Dwarka, New Delhi

BS-MS IISER Mohali
Sector-81, Mohali, Punjab

Interests

- I enjoy the occasional guitar
- Making Computer Games
- Creating Websites
- Basketball
- Computer Graphics and Videos
- Photography

Extra-curricular

- Class Representative and member of the SRC
- Founding member of theDeparated
- Member of the Debating Society

Computer Skills

- C/C++, Basic, Python, Javascript
- Corel Draw, Vegas, Photoshop, FL Studio, Altium Designer, Maya, Solid Works
- 8051 and AVR micro-controllers widely used

Atul Singh Arora
2nd year undergrad