ANUBHAV BIMBISARIYE

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EDUCATIONAL QUALIFICATION

Name of Institute/Board	Year	Performance (CPI/aggregate)
Indian Institute of Technology, Kanpur	2015(expected)	5.9(Five semesters)
Central Board Of Secondary Education class12th(AISSCE)	2010	82.4%
Central Board Of Secondary Education class10th(AISSE)	2008	85.16%

PROJECTS

ACADEMIC
Artificial Neural Network Ludo Game (Summer '13-Present)
Project mentor: Dr. Arnabb Bhattacharya, Department of Computer Science and Engineering, IIT Kanpur
- Developed ludo game in python using pygame playable in 2/4 player mode or v/s Computer.
- A simple reflex agent calculates priority of bricks depending on benefit, risk and progress to move.
- Aim to make a self-learning model with use of search algorithms.

General Purpose Computer and MIPS compiler (Course project: Computer organization)
- Implemented an 8 bit general purpose computer on FPGA board in Verilog using load-store architecture.
- Made a MIPS assembly language to binary executable code converter in C as a basic compiler to generate machine code for the general purpose computer.

Box Filling Game (Course project: Computing Laboratory)
- Developed interactive GUI based box filling game in python playable by 2, 3 or 4 players.
- Made a MIPS assembly language to binary executable code converter in C as a basic compiler to generate machine code for the general purpose computer.

Basic website (Course Project: Computing Laboratory)
- Created a web interface for faculty and students to schedule lecture rooms.
- Used Database management system to schedule lectures and provide user login.
- Used PHP-MySQL to provide user registration and session management.

EXTRA-CURRICULAR
RC Canard Plane (Summer 2012, Aeromodelling Club):
- Fabricated the first working model of canard configuration plane in campus.
- Scratch built from Styrofoam, other stationary, brushless motors and servos.
- Refabricated the plane for a more efficient, slower and controllable model.

PROGRAMMING SKILLS

- Languages and Programming: C, Python, MIPS Assembly, HTML, PHP5, PHP-MySQL, CSS, Verilog.
- Miscellaneous: Bash Scripting, Latex, Lex/Yacc, Octave/Matlab, Adobe Photoshop, Premier.
- Platforms: Linux (Fedora 17, Ubuntu), Windows 7.

ACHIEVEMENTS

Techfest 2013(Indian Institute of Technology, Bombay)   *(Jan '13)*
- Powerless glider range competition: Secured 3rd position with certificate of Excellence.
- Participated in Hover-on, Powerless glider endurance test and Blitzkrieg RC Flying Challenge.

Techkriti 2013(Conducted by Indian Institute of Technology, Kanpur):   *(Jan '13)*
- Hover Rush: Secured 2nd position out of more than 50 participants.

NCC Cadet   *(2011-12)*

POSITIONS OF RESPONSIBILITY

Secretary, Skating Club   *(May '11-July '12)*
- Mentor and guide for new enthusiasts in skating and roller hockey.
- Conducted skating workshops and competitions.
- Participated in Josh 2013 Roller hockey games.

Secretary, Aeromodelling Club   *(May '12-July '13)*
- Organized, managed new lectures addressing technicalities of club workshops.
- Managed and conducted workshops and intercollege competitions.
- Mentored and guided the Aeromodelling projects Flying wing and RC Ornithopter to successful completion.

Assistant Coordinator, Skating Club   *(May '12-July '13)*
- Helped form new events, managing the secretaries to ensure their smooth conduction.
- Responsible for management and organization of workshops.

Secretary, Take Off, Techkriti   *(Feb '12)*
- Managed the organization of aeromodelling competitions.

Secretary, Informals, Antaragni   *(Aug '12)*
- Responsible and accountable for success of a stage event and popularity of self-made functional pinball table for gaming arena.

Coordinator, Informals, Antaragni   *(Oct '13)*
- Devised new events, games, fun competitions for a wide audience of five thousand.
- Managed a huge team, modularized it to ensure efficient work and ease of operation.

MISCELLANEOUS ACTIVITIES

Stage Magic
- Have been performing magic shows on stage semi-professionally, for organizations like Indian Oil, Lions Club, Rotary club, Schools and many other forums.
- Performed in Deepanjali for students of IIT Kanpur.
- Performed magic in Galaxy 2013 as a part of dance routine for group dance competition.

Music Theory course
- Cleared Initial and First Grade in music theory and staff notation, Trinity Guild Hall.

Skilled RC flying of small scale aeromodels
- Flew for all Aeromodelling competitions participated in.