**ANUBHAV BIMBISARIYE**

Department of Computer Science and Engineering Contact: +918127335583

Indian Institute of Technology, Kanpur Email: anubhab@iitk.ac.in, anubhavmagic@gmail.com

**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.