



Vivek Paharia
Computer Science & Engineering
Indian Institute of Technology, Bombay
Specialization: none

100050044
UG Third Year (B.Tech.)
Male
DOB: 05-05-1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.39

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 564** in **IIT Joint Entrance Examination (JEE) 2010** among of 4,70,000 candidates
- Secured **All India Rank 1450** in **AIEEE-2010** amongst 1 million aspirants
- Awarded the certificate of being among the top **0.1%** merit in **AISSE 2007 (CBSE 10th BOARD)** in **science** subject
- Secured city rank **1st** in **6th National Cyber Olympiad**
- Awarded **MCM (Merit cum Means)** scholarship from **IIT Bombay**.

PROJECTS AND INTERNSHIP UNDERTAKEN

- Enhancement of AutoPerf**(Internship Guide: Prof.Varsha Apte,IIT Bombay)[Summer 2012]
Autoperf is a automated tool for **capacity analysis and resource profiling** of web-based distributed systems. It is a **load generator and performance measurement** tool.
Enhancement made is a step forward in **emulation of real users** while load generation
- Recharge123**(internship) [Dec 2011]
Developed front and back end of a **recharge portal** where any customer can recharge his/her mobile, data card and TV package online. **Designed database** and used **payment API**(users pay by cards and online banking)
- TimeTable Generator for colleges**(Prof: Varsha Apte) [Oct-Nov 2011]
Automatically generates time table. It takes slot timings, professors, sections, section strength, equipment required and venue details. Used **Genetic Algorithm** for optimization. Its programmed in C++ with **Object-Oriented** approach and used **Qt** for UI.
- Bombberman** (Prof: Amitabh Sanyal) [Jan-April 2011]
Each block in Maze (solid block, breakable block, power-ups, bomb) are object of classes derived from a common base-class. Used **A-star algorithm** and **threading** to implement AI. Programmed in Scheme(Lisp) and used **GUI** libraries offered by DrScheme
- Pocket Tanks**(Prof: D.B. Phatak) [Aug-Nov 2010]
Team Leader(Team of 5). My team designed and coded **double player game** and a **virtual keyboard**. Bomb selection(randomly and manually), tank's movement and fire control, storing high scores were handled. Programmed in C++, done file handling and used **EzWindows** for **Graphics**

COMPUTER SKILLS

- Programming languages: C/C++, Java, PLT-Scheme/Racket
- Scripting Languages: HTML, JavaScript, JQuery, PHP, AJAX, SQL, Python
- Tools & Applications: Eclipse, Latex, Ms Office, JDBC, Netbeans, QtCreator
- Platforms: Windows, GNU/Linux

KEY POSITIONS OF RESPONSIBILITY AND EXTRA CURRICULAR ACTIVITIES

- Certified **Yahoo ethical hacker**. Designed innovative product which tells you when your friend generally comes online on what time in a day and what days in a week
- Working as **Mess Councillor** for **Hostel-8,IIT Bombay** for year 2012-2013
- Build a line follower bot and a remote control all terrain car
- Acted in **Winning** entry in **Performing Art Festival**, IIT Bombay