Adit Kabra
Computer Science & Engineering
Indian Institute of Technology Bombay

120050034
UG Second Year
Male
DOB: 28 May 1995

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2014	8.57
Intermediate/+2	DAV Public School, Kota	DAV Public School, Kota	2012	91.20
Matriculation	DAV Public School, Kota	DAV Public School, Kota	2010	10.00

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 23** in **IIT JEE** among 5 lakh candidates (2012)
- Secured **All India Rank 564** in **AIEEE** among more than 10 lakh candidates (2012)
- Selected among **top 21 students all over India** for International Astronomy Olympiad **(IAO Jr.)** Orientation Cum Selection Camp **(OCSC)** held at **HBCSE, TIFR** (2010)
- **National top 1%** in National Standard Examination in Physics and Astronomy **(NSEP and NSEA)** (2011)
- **National top 1%** in National Standard Examination in Junior Science **(NSEJS)** (2009)
- Selected among **top 300 students in India** in National Standard Examination in Chemistry **(NSEC)** (2011)
- Qualified for **Indian National Mathematics Olympiad (INMO)** on the basis of high score in state level subjective paper (2011)

AWARDS AND ACCOMPLISHMENTS

- **AIR 1** in Insight National Talent Hunt (2009)
- **International Rank 3** in International Mathematics Olympiad by Science Olympiad Foundation (SOF) (2010)
- **AIR 20** in National Science Olympiad by Science Olympiad Foundation (SOF) (2010)
- **AIR 64** in National Cyber Olympiad by Science Olympiad Foundation (SOF) (2009)
- **AIR 98** in Unified Cyber Olympiad by Unified Council (2010)

PROJECTS

- **FUN TIME GAMES [C++]** *(November 2012)*
  PROF. ABHIRAM RANADE
  - Bow and Arrow : Use cursor to direct bow and pull arrow, to hit boxes on graphical interface
  - Casino : Guess a randomly generated number and bet money, with graphical feel of casino
  - Sudoku Checker : User interface to solve a sudoku puzzle and check the solution

- **CONNECT-4 GAME [DrRACKET/ SCHEME]** *(April 2013)*
  PROF. AMITABHA SANYAL
  - Single Player game of Connect 4 using Artificial Intelligence to get next most optimal move
  - **Mini-max Algorithm**, **Alpha-Beta Pruning** and Memoization to fasten computer's move

- **PC-CONTROLLER [ANDROID/ JAVA]** *(May -June 2013)*
  INSTITUTE TECHNICAL SUMMER PROJECTS
  - Designed an **Android Application** to control a **Personal Computer**
  - The interface includes **buttons** that can be used as **keyboard for PC**

- **RUMOUR ROLL [HTML5/ PHP/ JAVASCRIPT]** *(August 2013)*
  YAHOO! HACKU
  - Made a search engine using Yahoo! Boss APIs that **searches for top rumours** related to input query
  - The App then mines **twenty most trending tweets and youtube videos** using Twitter and Youtube APIs

- **PAY-UP [ANDROID]**   *(ongoing)*
  RON – MEHTA AAKASH TABLET ANDROID CONTEST
  - Manages accounts (debit and credit) of contacts and updates them according to interest rates
  - Notifies if debited money of any borrower is high or borrower is geographically close (using GPS)

- **DATA ANALYSIS AND INTERPRETATION [SCILAB]**   *(May 2013)*
  PROF. GANESH RAMAKRISHNAN
  - Analyzed census data samples in terms of literacy, population, education etc statistically
  - Modeled real life problems involving ATM machines such as flow of customers, filling in cash, cash withdrawals using various statistical tools like linear regression and Bayesian statistics
  - Used Scilab to find statistical data and plot graphs of the same

INTERNSHIPS

Firm : Enelek Power   *(May – June 2013)*
- Worked on front-end development of course portal of **www.soltrics.org** in a 5 member team
- Explored various areas of **Web Designing** and the management of a small scale organization (startup)

POSITIONS OF RESPONSIBILITY

- Working as Media **Coordinator in Mood Indigo** 2013, Asia's largest cultural festival
- Working as Media and Marketing **Coordinator in Techfest** 2014, Asia's largest science and technology festival

SOFTWARE EXPERTISE

- **Programming languages**   C/C++/Java/ PLT Scheme(DrRacket)/ SWI Prolog
- **Web-designing**   HTML5 / CSS3 / Bootstrap
- **Scripting languages**   PHP/ Javascript/ YQL
- **Software tools**   Microsoft Office/ Adobe Photoshop/ Camtasia Studio/ Sony Vegas
- **Others**   PSpice(Circuit Simulator)/ Scilab

EVENTS PARTICIPATION

- Selected to represent DAV Public School, Kota at the **Limca Book of World Records Quiz** 2009
- Selected among **top 30 students in India** for the prestigious **Aditya Birla Scholarship Interview**
- Was a member of the choreo group that represented hostel in **Performing Arts Festival** (PAF) IITB 2013
- Designed a **Remote Controlled bot** that travels different terrains for XLR8 conducted by STAB IITB
- Designed a **Line Following bot** for Line Follower freshmen contest conducted by STAB IITB
- Stood in **top-10 students of IITB** in **Math-Olympics** conducted by Math 'n' Physics Club IITB
- Served for **National Social Service (NSS)**; taught school children at two different NGOs for 1 year
- Attended a conference on **Mobile Computing** by Syum Technologies, Authorized Edu. Partners of **IBM**
- Attended a conference on **Banking Solutions** in Oracle Middleware Technologies by **ORACLE**

COURSES UNDERTAKEN

Computer Science	**Maths, Statistics and Probability**
Abstractions and Paradigms in Programming	Data Analysis and Interpretation
Computer Programming and Utilization	Differential Equations
Design and Analysis of Algorithms**	Numerical Analysis**
Data Structures and Algorithms*	Discrete Structures*
Automata Theory and Logic**	Linear Algebra
Logic Design**	Calculus

(courses to be completed by April 2014)   *(courses currently in progress)*