



Kalpesh Krishna
Electrical Engineering
Indian Institute of Technology Bombay

140070017
UG Second Year
Male
DOB: 30/11/1996

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2016	9.53
Intermediate/+2	CBSE	Army Public School, Pune	2014	98.20
Matriculation	ICSE	St' Mary's School, Pune	2012	98.60

ACADEMIC ACHIEVEMENTS

- Ranked **6th** in the department among 140 students on CPI basis. Pursuing a Minor Degree in Computer Science and Engineering.
- Secured two **AP Grades** for being in the top 1% of the courses **Basic Biology** and **Computer Programming and Utilization**.
- Amongst the **top 10 in India** at the **Astronomy Olympiad OCSC** (Orientation Cum Selection Camp) for the International Olympiad for Astronomy and Astrophysics '14.
- Cleared the first round of the **Physics Olympiad (NSEP)** and **Chemistry Olympiad (NSEC)** by being one amongst the top 300 in India.
- Secured an All India Rank of **93** in **JEE Advanced '14** among 14 lakh candidates.
- Secured an All India Rank of **34** in **JEE Mains '14** among 14 lakh candidates.
- Secured a **National Rank of 2** in **ICSE '12** and was the **city topper** in JEE Advanced '14, JEE Mains '14, CBSE '14 and KVPY '14.
- Won the **Kishore Vaigyanik Protsahan Yojana '14 (KVPY)** Fellowship Award.
- Awarded by the **Army Welfare Education Society** for the *best academic performance* in Army Schools in CBSE '14. Won the *General Proficiency Prize* for 10 years in school.

WORK EXPERIENCE

Senior Backend Developer, Pickup **March '14 - Present**

- Developing the backend for a recently launched startup - *Pickup*, a ridesharing service.
- Built **RESTful APIs**, designed an **ER Model Database** in **PHP** using the *MVC Framework Laravel 4*. Developing algorithms for the same.

In-sem Internship, Codechef **January '15 - February '15**

- Built and maintained a **question bank** as a part of **Codechef for Schools**, an initiative to help high school students start competitive programming.
- Wrote and reviewed **editorials** for the recently added problems on Codechef.

POSITIONS OF RESPONSIBILITY

Convener, Web and Coding Club - IIT Bombay **April '14 - Present**

- **Coordinating events** of one of the largest programming clubs in India aimed at spreading the programming culture in the institute and helping newcomers.
- Organised institute-wide workshops to **train more than 100 students** in MIT-Scratch and Linux Essentials.

Coordinator, Mood Indigo - IIT Bombay **July '15 - Present**

- Working as part of a team to develop **Web and Android applications** for Mood Indigo, Asia's largest college cultural festival.

Mess Secretary, Hostel 15 - IIT Bombay **'14 - '15**

- Worked as a secretary to manage Mess affairs and voice student's opinion to the Mess Staff.

Mentor XLR8, Robotics Club IIT Bombay **August '15**

- Mentored two teams in the largest technical event in IIT Bombay to build wireless remote controlled cars to be driven on an obstacle course.

EXTRA CURRICULAR

- **Karate :- Black Belt First Dan** trained in *Kyokushin Kai* for seven years. **District level champion** in *Kata* techniques. Stood **2nd** in district level *Kumite*.
- **Abacus :- Grand Master** in *Aloha Abacus* and *Aloha Speed Maths*, trained for 4 years. **Winner** at District, State and **National Level**.
- **NIE Student of the Year '11** for all round performance.
- **Filmmaking :-** Actor in the winning video for *Freshiezza - Copy a Scene*, *Freshiezza - Music Video*, and lead actor in special mention video for *Freshiezza - Music Video*.
- **Football :-** Completed **NSO** (National Sports Organization) in Football. **Finalist** at *Fresher's Football League*. Part of **Inter Hostel General Championship team**.
- **Quizzes / Logic :- Winner** of *Whizz Kid '12*, **3rd** at *Mood Indigo Treasure Hunt '14*, **2nd** at *Rotary Club Logic Competition '10*, represented school at various **Inter-School quizzes**, **Finalist** at *Freshiezza Entertainment Quiz*
- **Other :- 1th** at *Wolf of Wall Street*, *E-Cell IIT Bombay*, **Designed Logo** for filmmaking YouTube channel, **Winner** at *Freshiezza - Band Imitation*, **Debator** at Intra-School Level,

PROGRAMMING SKILLS

- **Languages:** PHP (with Laravel 4), C/C++, Python (with Django and OpenCV), Java (with Android), JavaScript (with NodeJS and AngularJS), Arduino, Bash, \LaTeX
- **Tools:** NgSpice, Adobe Photoshop, AutoCAD, Git, MATLAB/Octave, Processing

TECHNICAL ACHIEVEMENTS

- Adjudged the **Runner Up** (as part of a 4-person team) at the **Microsoft code.fun.do Hackathon '15**
- Stood **7th** in the country in **Technothlon '10** and represented my school with a teammate in **Techniche '10, IIT Guwahati**.
- Attended a 2 week long workshop **Infosys, Catch Them Young** and won the best group software award.

PROJECTS

Pyraminx Utility Kit

Prof. Kavi Arya

Spring '15

CS 101 Project

- Implemented **BFS graph algorithm** and **AVL trees** to derive mathematical results about the **optimal solutions of a Pyraminx**, a tetrahedron Rubiks Cube style puzzle.

Bluetooth Mesh Network

Web and Coding Club - IIT Bombay

Summer '15

Institute Technical Summer Project

- **Android app** doing **routing via Bluetooth** using **Gnutella flooding algorithm**.

PERSONAL PROJECTS

- [Contributing](#) to **Mozilla**, via bug fixes in Firefox Core, Firefox OS, Toolkit.
- Active member on **Github** with a number of personal projects in *image processing*, *Python scripting*, *BASH*, *NodeJS* and *Javascript*.

INTERESTS

Star Gazing, Jogging, English Music, Reading and Travelling. Have travelled to several countries in West and East Europe, Australia, New Zealand, Dubai, South Africa, Egypt and South East Asia.

Self motivated, passionate and always striving towards excellence.