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

SCHOLASTIC

Ranked **3rd** in the department. Pursuing a Minor in **Computer Science**
Secured three **AP** grades(top 1%) Data Analysis and Basic Programming, Biology.
Ranked **93rd** in India among 1.5 lakh candidates in JEE Advanced '14.
Ranked **34th** in India among 1.4 million candidates in JEE Mains '14.
Top 10 in India in the 3rd round of the **Astronomy Olympiad**, the OCSC.
Top 300 in India in 1st round of Physics Olympiad and Chemistry Olympiad.
Winner of the **Kishore Vaigyanik Protsahan Yojana '14** Fellowship Award.
2nd in ICSE '12 (**98.6%**). City topper in CBSE '14 (**98.2%**), JEE Advanced, Mains.
Army Welfare Education Society Prize for best academic performance in Army Schools.

COMPUTER SKILLS

Languages: PHP(in Laravel 4), C/C++, Python(with OpenCV, Django), Java(with Android), Javascript(with NodeJS and AngularJS), Arduino, BASH
Software: NgSpice, AutoCAD, Git, Wireshark, Photoshop, MATLAB, Processing

EXPERIENCE

Core Backend Developer, **Pickup**   March '15 - Present
Built **RESTful APIs**, designed an **ER Model Database** in **PHP** using the *MVC Framework* **Laravel 4**. Developing algorithms for the same.

Convener, **Web and Coding Club, IIT Bombay**   April '15 - Present
Taking sessions and coordinating events of the largest programming club in India.

In-sem Intern, **Codechef**   January '14 - February '14
Made problems for Codechef for Schools initiative and wrote algorithmic editorials.

Coordinator, **Mood Indigo '15, IIT Bombay**   July '15 - Present
Designing the website, Android application and other microsites for the festival.

PROJECTS

Web Platform Tests Viewer, **Mozilla Quarter of Contribution**   Winter '15
Web app in AngularJS and IndexedDB to carry out efficient filtering and comparisons between WPT results in different browsers such as Gecko and Servo.

Pyraminx Utility Kit, **CS 101 Project**   Spring '15
Used **BFS algorithm** and AVL trees to get mathematical results of optimal solutions of Pyraminx. Designed interface in C++, Allegro to get solve analysis, cube algorithm generators. Made **Android app** to read Pyraminx states via **image processing**.

Bluetooth Mesh Network, **ITSP '15**   Summer '15
Android chat application to implement **routing via Bluetooth** using a **Gnutella styled flooding algorithm**. Used graph algoritms to optimize the same.

OPEN SOURCE

Actively contributing to Mozilla in Automation Team, Firefox OS and Fennec.
Active member on Github with a number of personal projects in *image processing, Javascript, Python, NodeJS, Arduino*. Made the first ever Hindi guide for Git.

EXTRA-CURRICULAR ACHIVEMENTS

Technical
- **2nd** at Microsoft code.fun.do Hackathon '14 for **PNR predictor** Windows app.
- Attended **Infosys** Catch Them Young '10 and won best group software award.
- 7th in India at **Technothlon, Techniche '10, IIT Guwahati**.

Non Technical
- **Karate Black Belt First Dan**. Trained in *Kyokushin Kai* for 7 years.
- Grand Master in Aloha **Abacus and Speed Maths**. National level winner.
- **NIE Student of the Year '11** for all round performance.
- Finalist at Fresher Football League. Member of Inter-Hostel football team.
- Interested in filmmaking, reading, music, star gazing, jogging and travelling.