

# Pranav Maneriker

3<sup>rd</sup> Year Undergraduate  
Computer Science and Engineering  
IIT Kanpur

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## Education

Year	Program	Institute	Grade/Percentage
2012 – present	B.Tech, CSE	IIT Kanpur	9.3/10.0 (*)
2012	Class XII, CBSE	Army Public School, Pune	97.0%
2010	Class X, CBSE	Army Public School, Pune	10.0/10.0

## Awards and Achievements

- Award for **Academic Excellence** (IIT Kanpur, **top 7%** of the batch) (2014)
- Secured **22<sup>nd</sup>** position in **ACM ICPC** (International Collegiate Programming Contest) Kharagpur Regionals (2013)
- Awarded **Aditya Birla Group Scholarship** (awarded to 16 students) (2012)
- Secured **All India Rank 145**, **IIT JEE'12** (2012)
- Secured **All India Rank 39**, **AIEEE'12** (2012)
- School Topper**, Science Stream, Class XII, Army Public School, Pune (2012)
- Selected for Indian National Chemistry Olympiad (**InChO**) (top 300 in the country) (2011)
- Awarded **Kishore Vaigyanik Protsahan Yojna** fellowship by Indian Institute of Science, Bangalore (2010)

## Projects/Internship

<b>Internship</b>	Interned as Software Developer at <b>Aurus Network Infotech Pvt Ltd.</b> (May'14 - July'14) Worked with a team of 11 people on the following projects (Source control with <b>git</b> )  <b>www.superprofs.com</b> : Created One Time Password and order creation modules in <b>php</b> (Yii 2), discount coupons system for orders with a <b>strategy pattern</b> based rule system, ( <b>ember js</b> based) registration form for professors, ember.js based application for discussion forums (with a backend in hapi js/mysql)  <b>www.coursehub.tv</b> : Developed a missed call based api (php, Yii1.1) which allowed recording start stop via missed call from registered user. Researched the application of <b>webRTC</b> (mainly licode)for use as a server/client app for screenshare and video recording
<b>Projects</b>	<b>Gesture Recognition using Webcam</b> (May'13 - June'13) Navigation and OS operations using gestures detected by a webcam  Used <b>OpenCV</b> for image processing  Gesture detection is implemented using Machine Learning  <b>Centralised Version Control System</b> (Aug '12 - Nov '12) <b>Advanced Track Project for ESc 101: Fundamentals of Computing under Prof. Sumit Ganguly</b> Used a <b>Java</b> based front end and <b>mySQL</b> , ApacheDB backend to design and develop a version control system based on <b>Git</b> Chosen among the top 2 of 11 projects

## Technical Skills

**Languages:** Java, C, C++, PHP, Javascript, Bash (shell scripting), SQL, Perl, Python, HTML/CSS, BlueSpec Verilog, Assembly(MIPS ISA)

**Frameworks:** PHP: Yii, Javascript: EmberJS, nodeJS

**Other tools:** webRTC, LaTeX, Beamer, Git, OpenGL, OpenCV, vim, GNUPlot, Octave, MATLAB, Autodesk Inventor

## Extra Curricular Activities

- National Record Holder, Rubik's Cube**  
Holder of the National Record for solving the **Rubik's Cube** in **Fewest Moves** (29 moves)  
Ex national record holder for **one handed solving**
- Programming Contests**  
Actively involved in contests on codeforces.com, topcoder.com (handle: **PM1729**)
- Active member of Programming Club, Science Coffeehouse**

## Positions of Responsibility

- Academic Mentor under Counselling Service, IIT Kanpur** (2013-2014)  
Provided academic mentoring by conducting classes at Institute and Hostel level for Introduction to Electrodynamics (Phy103)
- Coordinator, Rubik's Cube Hobby Group, IIT Kanpur** (2014 - present)  
Organisation of club activities and workshops for 100+ people while supervising a team of secretaries