

# Saksham Sharma

Sophomore Undergraduate  
Computer Science and Engineering  
Indian Institute of Technology Kanpur

Email: saksham0808@gmail.com  
Email: sakshams@iitk.ac.in  
Mobile: +91-7755058004

## Educational Qualification

---

### Bachelor of Technology, Computer Science and Engineering

July'14-Present

Indian Institute of Technology, Kanpur

Cumulative Performance Index: 10.0

### All India Senior School Certificate Examination(AISSCE) - CBSE

2014

Overall percentage: 97.6%

D.A.V. Public School, Amritsar

Science Stream

### All India Secondary School Examination (AISSE) - CBSE

2012

Cumulative Grade Point Average(CGPA): 10

D.A.V. Public School, Amritsar

## Academic Achievements and Scholarships

- 
- Cumulative Point Index of 10.0 after Semester I and II 2014-15
  - All India Rank 138 in Joint Entrance Exam Advanced 2014 among 150,000 candidates 2014
  - All India Rank 10 in Joint Entrance Exam Mains 2014 among 1.5 million candidates 2014
  - Received the Aditya Birla Group Scholarship along with 15 other IITans 2014
  - Received the Kishore Vigyanik Protsahn Yogna (KVPY) Scholarship with an AIR of 109 2013
  - Received the National Talent Search Examination (NTSE) Scholarship 2010
  - Qualified National Standard Examination in Physics (NSEP) twice 2012-13

## Projects

- 
- **Microsoft code.fun.do Finalists Forum 2015** May'2015-Jul'2015  
*5th National in Coding Milestone*
    - Developed an app to help users learn programming in their spare time.
    - Made an extensive app with multiple features like lessons, scratchpad.
    - Wrote a backend web service in Node.js to compile, run and verify user's input codes.
  - **Microsoft code.fun.do 2015** Jan'2015  
*Winning team member*
    - Designed a graphing app to plot implicit 2D mathematical functions for Windows Phone
  - **ABU Robocon 2015** Oct'2014-Mar'2015  
*Supervisor: Prof. Bhasker Dasgupta (IIT Kanpur)*
    - Worked on making 2 semi-autonomous robots capable of playing badminton on a full court.
    - Used image-processing to track the shuttle, predicted its trajectory and moved the robot.
    - Used Microsoft Kinect to get depth data. Also worked with stereo-vision.
  - **NASA AMES Space Settlement Design Contest** Dec'2011-Mar'2012  
*Team Leader*
    - Designed in detail a Space Settlement capable of settling 14000 permanent residents in orbit around the earth
    - International 1st prize among the Grade 10 category.

## Work Experience

---

- **Hackcave, IIT Kanpur NYC Office** *May'15 - Jul'15*  
*Web Development Intern*
  - Worked on developing a scaleable web-app.
  - Used Scala with Akka, ElasticSearch, Node.js and Dart.
- **Programming Club, IIT Kanpur** *Apr'15 - Present*  
*Secretary*
  - Helped organize workshops related to programming.
  - Promoted programming culture among the fresher batch of 2015.
- **Counselling Service, IIT Kanpur** *Apr'15 - Present*  
*Student Guide*
  - Helped the fresher batch of 2015 settle in to college life.
  - Helped organize the Orientation of the fresher batch, 2015.

## Technical Skills

---

Web Development	HTML/CSS, Node.js, Javascript, Dart, PHP
Programming Languages	C/C++, Python, Java, C#, Scala, Shell Scripting
Operating Systems	Arch Linux, Ubuntu, Microsoft Windows
App Development	Windows Phone
Utilities	Vim, Git, Microsoft Visual Studio, GNU Octave
Web Frameworks	Node.js with Express.js and Jade, Scala with Akka, LAMP stack
CAD	Autodesk Inventor, 3ds
Hardware	Microsoft Kinect, Arduino

## Relevant Courses

---

Introduction to Programming(A*)	Introduction to Calculus
Linear Algebra	Ordinary Differential Equations

## Other Interests

---

- Image Processing and Parallel Processing
- Algorithms
- Machine Learning
- Web Development
- Artificial Intelligence