

# Yash Srivastav

Freshman – Computer Science and Engineering – IIT Kanpur

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yashsriv

## Educational Qualifications

<b>Bachelor of Technology, Computer Science and Engineering</b>	July'15-Present
Indian Institute of Technology, Kanpur	CPI : <b>9.44</b>
<b>All India Senior School Certificate Examination(AISSCE) - CBSE</b>	2015
Birla High School, Kolkata	Overall Percentage : <b>96.6%</b>
<b>Indian Certificate of Secondary Education(ICSE) - CISCE</b>	2013
The Assembly of God Church School, Kolkata	Overall Percentage : <b>96.6%</b>

## Academic Achievements and Scholarships

- All India Rank **105** in Joint Entrance Exam Advanced 2015
- All India Rank **288** in Joint Entrance Exam Mains 2015
- Qualified **pre-final level** of Special Class Railway Apprentice (SCRA) Examination 2015
- Qualified National Standard Examination in Chemistry (NSEC) 2015
- All India Rank of **12** in Kishore Vaigyanik Protsahan Yojana 2015

## Projects

- **Robocon 2016** Oct'2015 - Mar'2016  
Supervisor : Prof. Bhaskar Dasgupta (IIT Kanpur)
  - Developed two robots out of which one was autonomous
  - Game field consisted of ramps and turns
  - The autonomous robot, which does not contain a driving actuator, must traverse the game field using the energy provided to it by other robot in form of a non contact force.
  - Was Involved in Image processing used in the autonomous robot for color detection and line following
  - Came **3rd** out of 105 teams participating in Nationals at Pune, India
- **Code.Fun.Do** Sep'2015  
Microsoft India 24 Hour Hackathon
  - Developed an App to help connect teachers and learners
  - Used cross-platform Universal App Platform for Windows 10
  - Was selected as one of the best five ideas
- **Connect 4**  
Artificial Intelligence
  - Developed a Java Application to play a game of connect 4
  - Uses optimized negamax algorithm
  - Link : Connect 4

## Technical Skills

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Computer Languages	C/C++, C#, Java, Python, Javascript(Beginner)
CAD	SolidWorks, AutoCAD
Tools	Git, Vim, $\text{\LaTeX}$
Operating Systems	Windows, Linux(Debian)
App Development	Windows
Miscellaneous	OpenCV, Visual Studio, AI and Game Theory

## Relevant Courses

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Linear Algebra and O.D.E	Fundamentals of Computing	Introduction to Mechanics
Introduction to Electrodynamics	Introduction to Calculus	Partial Differential Equations
Engineering Graphics	Introduction to Organic, Inorganic and Physical Chemistry	

## Other Interests

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- Image Processing
- Artificial Intelligence
- Robotics
- Machine Learning
- Web Development