

# Yash Srivastav

Freshman – Computer Science and Engineering – IIT Kanpur

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## Educational Qualifications

### Bachelor of Technology, Computer Science and Engineering

July'15-Present

CPI : 9.44

Indian Institute of Technology, Kanpur

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

2015

Overall Percentage : 96.6%

Birla High School, Kolkata

### Indian Certificate of Secondary Education(ICSE) - CISCE

2013

Overall Percentage : 96.6%

The Assembly of God Church School, Kolkata

## 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
  - Developed an App to help connect teachers and learners in a 24 Hour Hackathon
  - 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