

# Yash Srivastav

Freshman – Computer Science and Engineering – IIT Kanpur

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yashsriv

## Educational Qualifications

B.Tech, CSE	July'15-Present	IIT Kanpur	CPI : 9.44
AISSCE - CBSE	2015	Birla High School, Kolkata	: 96.6%
ICSE - CISCE	2013	AG Church School, Kolkata	: 96.6%

## Academic Achievements and Scholarships

JEE Advanced	2015	AIR <b>105</b>
JEE Mains	2015	AIR <b>288</b>
NSEC	2015	Qualified
KVPY	2015	AIR <b>12</b>

## Projects

- **Robocon 2016** *Supervisor : Prof. Bhaskar Dasgupta (IIT Kanpur)* *Oct'2015 - Mar'2016*
  - Developed two robots out of which one was autonomous on a game field consisting of ramps & turns. The autonomous robot, which did not contain a driving actuator had to traverse the game field using the energy provided to it by other robot in form of a non contact force.
  - I was involved in **Image Processing** used in the autonomous robot for **color detection** and **line following** to traverse the arena
  - Came **3rd** out of 105 teams participating in Nationals at Pune, India
- **Code.Fun.Do** *Microsoft India 24 Hour Hackathon* *Sep'2015*
  - 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

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

## Other Interests

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