

# Yash Srivastav

Sophomore – Computer Science and Engineering – IIT Kanpur

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## Educational Qualifications

B.Tech, CSE	July'15-Present	IIT Kanpur	CPI : 9.12
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

- **Development Intern** *Supervisor: DoFA IIT Kanpur, Prof. Manindra Agarwal* *Summer 2016*
  - Worked on a scalable web application with a large technology stack
  - Used Scala with Akka and Couchbase among other technologies for developing the backend
  - Internship was under the NYC Office of IIT Kanpur
- **Smart Mirror** *Programming Club IIT Kanpur* *Summer 2016*
  - A mirror to get you ready for the day.
  - Chosen as the **Best Applicative Project - SnT Summer Camp 2016**
  - Link : [Smart Mirror](#)
- **Reversi game in Python** *ACA Semester Project* *2<sup>nd</sup> Semester*
  - Developed a Python Application for 2 player as well as single player Reversi gameplay in a team of 2
  - Uses the basic minimax algorithm with an efficient heuristic check for better performance against humans
  - Mid Semester project under the Association of Computing Activities (ACA), IIT Kanpur
  - Link : [Reversi](#)
- **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

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

## Other Interests

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- Web Development
- Image Processing
- Artificial Intelligence
- Robotics