

# YASH SRIVASTAV

Third Year Undergraduate  
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## EDUCATIONAL QUALIFICATIONS

Year	Degree	Institution(Board)	CGPA/%
July'15 – Present	B.Tech, CSE	Indian Institute of Technology, Kanpur	9.0/10.0
2015	AISSCE – XII	Birla High School, Kolkata (CBSE)	96.6%
2013	ICSE – X	AG Church School, Kolkata (CISCE)	96.6%

## SCHOLASTIC ACHIEVEMENTS

- Ranked 105 in JEE Advanced, 2015 amongst 1.2 lakh candidates
- AIR 288 in JEE Main, 2015
- AIR 12 in Kishore Vaigyanik Protsahan Yojana (KVPY) by IISc Banagalore, 2015

## PROJECTS

### Dashboard Web Extension/App

IIT Kanpur

Inter IIT Tech Meet

February, 2017

- Involved creating a web extension which acted as a user's home page
- Server Side was implemented as multiple **microservices** in various languages (Golang, Python, NodeJS) with client side in Angular.
- Fully **Dockerized scalable backend** running on a docker-compose setup.  
(github.com/yashsriv/beethoven)
- Judged **1<sup>st</sup>** among all the IITs participating in the competition.

### ABU Robocon 2016

IIT Kanpur

Member, Team Robocon IIT Kanpur, Prof. Bhaskardas Gupta

Oct'2015 - Mar'2016

- An autonomous robot, which did not contain a driving actuator had to traverse a game field using the energy provided to it by another 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 **3<sup>rd</sup>** out of 105 teams participating in Nationals at Pune, India.

### Nachos in Golang

Port of NachOS

Self Project, IIT Kanpur

Nov'2017

### Smart Mirror

Best Applicable Project

Programming Club, IIT Kanpur

Summer'2016

### Code.Fun.Do

Best 5 Ideas

24 Hour Hackathon, Microsoft India

Sept'2015

### Reversi Game in Python

Association of Computing Activities, IIT Kanpur 2<sup>nd</sup> Semester

## WORK EXPERIENCE

### Google Summer of Code

OpenPrinting, The Linux Foundation

Summer 2017

- Worked on the Common Printing Dialog Project.
- Allows easy integration of any new printing systems into existing applications.
- Helped design the Dbus API and decide its usage.
- Implemented the Dbus API in the LibreOffice code.
- Technologies Used: Dbus, C++, CUPS, Google Cloud Printing

### New York Office, IIT Kanpur

Kanpur, India

Full Stack Developer, under Prof. Manindra Agarwal May. 2016 -

Present

- Summer Internship continued as a volunteer and peer mentor.
- Worked on a scalable web application with an extensive technology stack.
- Used Scala with Akka and Couchbase among other technologies for developing the backend.
- Implemented Notifications, XSRF & XSS Protection and a method to batch process api requests as part of the backend api.
- Integrated ProseMirror into an existing Angular App

## POSITIONS OF RESPONSIBILITY

- **Secretary**, Programming Club, 2016-17
- **Coordinator**, Programming Club, 2017-18
- **Senior Executive**, Web, Antaragni 2016
- **Head**, Web, Antaragni 2017

## SKILLS

### Programming Languages:

*Natively Fluent:* C, Golang, Python, Javascript

*Conversationally Fluent:* C++, Java, Scala, Android

**Web:** Angular, Express.js with Node.js, Akka with Scala, JavaScript, TypeScript

**Utilities:** Linux shell utilities, Git, Docker, MongoDB, OpenCV, L<sup>A</sup>T<sub>E</sub>X, Vim

## RELEVANT COURSES

**CS:** Introduction to Programming(A\*), Logic in Computer Science, Computer Organization, Data Structures and Algorithms, Computing Laboratories - 1(A\*)

**Math:** Discrete Math, Probability and Statistics(A\*)

A\*: Grade for exceptional performance

## MISCELLANEOUS

- Contribute actively to Open Source projects
- Among the top 15 teams of India in CSAW 2016, Capture The Flag