

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	9.1/10.0
2015	AISSCE – XII	Birla High School, Kolkata (CBSE)	96.6%
2013	ICSE – X	AG Church School, Kolkata (CISCE)	96.6%

SCHOLASTIC ACHIEVEMENTS

- All India Rank 105, Joint Entrance Exam Advanced
- All India Rank 288, Joint Entrance Exam Main
- All India Rank 12, KVPY Scholarship

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 and helped display all the information relevant to a student studying in IIT Kanpur in a main Dashboard. (News, Events, Student Search, Share Auto)
- Server Side was implemented as multiple **microservices** in various languages (Golang, Python, NodeJS) involving IPC via **JSON RPC**.
- Fully **Dockerized backend** running on a docker-compose setup. Written with **scalability** in mind. (github.com/yashsriv/beethoven)
- Judged **1st** 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 **3rd** out of 105 teams participating in Nationals at Pune, India.

Smart Mirror *Best Applicable Project* *Programming Club, IIT Kanpur* Summer'2016

Reversi Game in Python *2nd Semester* *Association of Computing Activities, IIT Kanpur*

Code.Fun.Do *Best 5 ideas* *24 Hour Hackathon, Microsoft India* Sept'2015

MISCELLANEOUS

- Contribute to Open Source projects like pdf.js and thelounge
- Among the top 15 teams of India in CSAW 2016, Capture The Flag

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, 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
- Technologies used: Scala with Akka, Angular with TypeScript

POSITIONS OF RESPONSIBILITY

- **Secretary**, Programming Club, IIT Kanpur 2016-17
- **Coordinator**, Programming Club, IIT Kanpur 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^AT_EX, Vim

RELEVANT COURSES

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

A*: Grade for exceptional performance