Yash Srivastav

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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

- AIR 105 in JEE Advanced, 2015
- AIR 288 in JEE Mains, 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 **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   *IIT Kanpur*
Programming Club   Summer'2016

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

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

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

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 & XSSI 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, IIT Kanpur 2016-17
- Coordinator, Programming Club, IIT Kanpur 2017-18
- Senior Executive, Web, Antaragni 2016
- Head, Web, Antaragni 2017

Skills

Programming: *Proficient:* C/C++, Golang, Python, Javascript; *Experienced:* Java, Scala
Web: Express.js with Node.js, Akka with Scala, JavaScript, TypeScript, Angular
Utilities: Linux shell utilities, Git, Docker, MongoDB, OpenCV, LATEX, Vim