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 **105**
JEE Mains	2015	AIR **288**
NSEC	2015	Qualified
KVPY	2015	AIR **12**

Projects

- **Development Intern** *Supervisor: Prof. Manindra Agarwal, IIT Kanpur* *Summer 2016*
  - Worked on a scalable web application with a diverse 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^{nd} *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

Technical Skills

Computer Languages	C/C++, C#(Beginner), Java, Python, Javascript, Scala
Tools	Git, Vim, LaTeX, SQL, Couchbase, MongoDB, nodejs
Operating Systems	Windows, Linux(Debian, Ubuntu, Arch)
App Development	Windows, Android
Miscellaneous	OpenCV, Visual Studio, AI and Game Theory

Other Projects

- **Google DevFest** *Google 24 Hour Hackathon* *Oct'2016*
  - Developed a simple Android App which acts as a WebSocket Client for a WebSocket Server for the Real Life Game Mafia
- **Antaragni 16 WebApp** *Nodejs backend for a fest registration portal* *2016*
  - Backend written in nodejs and mongodb

Other Interests

- Web Development
- Image Processing
- Artificial Intelligence
- Robotics