

# Yash Srivastav

Sophomore • Computer Science and Engineering

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## EDUCATION

### IIT KANPUR

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

July 2015-Present | CPI: 9.1/10.0

### BIRLA HIGH SCHOOL

AISSCE, CBSE, OVERALL: 96.6%

May 2013 | Kolkata, India

### A.G. CHURCH SCHOOL

ISCE, CISCE, OVERALL: 96.6%

May 2015 | Kolkata, India

## LINKS

Github:// yashsriv

LinkedIn:// yashsriv

## CS COURSEWORK

Introduction to Programming (A\*)

Discrete Mathematics

Logic in Computer Science

Computer Organization (i)

Data Structures & Algorithms (i)

Probability & Statistics (i)

(A\* Exceptional Performance) (i Ongoing Courses)

## SKILLS

### PROGRAMMING

Java • Shell • Python • Javascript

LaTeX • C • C++ • CSS • Scala

Familiar:

C# • Android • Typescript

### WEB DEVELOPMENT

Full MEAN Stack • Scala with Akka

AngularJS 1

### OPERATING SYSTEMS

Arch Linux • Debian • Ubuntu

Microsoft Windows

### UTILITIES

Git • Vim • SQL

MongoDB • OpenCV • nginx

## INTERESTS

Web Development • Image Processing

Artificial Intelligence • Robotics

Capture The Flag Contests • Open Source

## EXPERIENCE AND PROJECTS

### BACKEND DEVELOPER | SINCE MAY'16

Internship under Prof. Manindra Agarwal, IIT Kanpur

- Worked on a scalable web application with a diverse 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.

### SENIOR WEB EXECUTIVE | ANTARAGNI 2016

July 2016-Nov 2016

- Used the full MEAN Stack for a fast registration portal, dynamic website and its admin control panel.
- Support for Android App as well.
- Technologies Used - NodeJS, AngularJS, MongoDB, ExpressJS and more.

### ROBOCON 2016 | OCT'2015-MAR'2016

Supervisor: Prof. Bhaskar Dasgupta, IIT Kanpur

- 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

### REVERSI GAME IN PYTHON | 2<sup>ND</sup> SEMESTER

ACA Semester Project

- Developed a Python Application using Pygame for 2 player as well as single player Reversi gameplay in a team of 2
- Uses the negamax 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

### CODE.FUN.DO | SEP'2015

Microsoft India, 24 Hour Hackathon

- Developed an App to help connect teachers and learners
- Used cross-platform **Universal App Platform** for Windows 10 and a server written in C#
- Was selected as one of the best five ideas

## AWARDS AND ACHIEVEMENTS

2015 **AIR 105** JEE Advanced 2015

2015 **AIR 288** JEE Mains 2015

2015 **AIR 12** KVPY Fellowship Examination

## MISCELLANEOUS

- Built a Smart Mirror as part of Programming Club Summer Project. Link
- Developed a simple Android App which acts as a WebSocket Client for a WebSocket Server for the Real Life FunGame Mafia
- Contribute to open source projects like pdf.js & thelounge
- Won Fresher's Science Quiz
- Among the top 15 teams in India in CSAW 2016 Capture The Flag