# EDUCATION

### IIT KANPUR
B.Tech in Computer Science & Engineering
July 2015-Present | CPI: 8.8/10.0

### BIRLA HIGH SCHOOL
AISSCE, CBSE, Overall: 96.6%
May 2015 | Kolkata, India

### A.G. CHURCH SCHOOL
ICSE, CISCE, Overall: 96.6%
May 2013 | Kolkata, India

# LINKS

Github:// **yashsriv**
LinkedIn:// **yashsriv**
IRC:// **yashsriv**@freenode

# 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

Open Source • Web Development •
Artificial Intelligence • Robotics
Capture The Flag Contests
Image Processing

# EXPERIENCE AND PROJECTS

### OPEN SOURCE CONTRIBUTIONS
https://github.com/yashsriv

- Implemented autocompletion of nicks and emoji for The Lounge IRC Chat Client
- vim-instant-pandoc - vim plugin for compiling pandoc markdown and displaying in browser
- eshinn/node-pandoc - fixed a minor bug related to stream buffers
- chai-http, httpie, gson and more.

### 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 & XSSI 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 fest 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 3rd out of 105 teams participating in Nationals at Pune, India

### REVERSI GAME IN PYTHON | 2nd 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