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 & 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

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