

# Aman Chandra

<http://amanchandra.in>

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## EDUCATION

### INDIAN INSTITUTE OF TECHNOLOGY

B.TECH + M.TECH IN BIOTECHNOLOGY  
SOPHOMORE

Expected April 2020 | Kharagpur, India  
Cum. GPA: 7.13/10.0

### ST. MICHAEL'S HIGH SCHOOL

ALL INDIA SENIOR SCHOOL CERTIFICATE  
Grad. April 2015 | Patna, India  
Performance: 95.6%

### ST. XAVIER'S HR. SEC. SCHOOL

CERTIFICATE OF MERIT  
Grad. April 2013 | Bettiah, India  
CGPA: 10.0/10.0

## LINKS

Github:// [amanchandra333](#)  
LinkedIn:// [amanchandra333](#)  
Robotix:// [team](#)

## COURSEWORK

Programming & Data Structures  
Partial Differential Equations  
Control of Mobile Robots (Coursera)  
Intro to Java Programming (Udacity)  
Microbiology  
Biochemistry  
Biochemical Reaction Engineering and  
Bioenergetics

## SKILLS

### ROBOTICS

ATmega • Arduino • Raspberry Pi

### PROGRAMMING LANGUAGE AND ENVIRONMENTS

Python • C • MATLAB •  $\text{\LaTeX}$  • GIT • Java • HTML

### OTHERS

After Effects • SolidWorks • Android Studio

## PROJECTS

### AERIAL ROBOTICS KHARAGPUR | CONTROL SYSTEM AND EMBEDDED ELECTRONICS TEAM

February 2016 – Present | Kharagpur, India

- Made the Simulink model of the Quadrotor along with PID control on MATLAB
- Designing circuits for a multicopter to take part in IARC 2017.

### STEP COUNTER HEADING FOLLOWING ROBOT | PROJECT MEMBER

- Accomplished IEEE certified project of making a semi-autonomous robot which could counter the number of steps taken by its controller and move an equivalent distance in the same direction using accelerometer, magnetometer and ATmega.

### HEX-DECODING AND PATH PLANNING ROBOT | TEAM LEADER

- Built an autonomous robot which could reach the end point by decoding hex-decoded data from IR LEDs using IR receiver, Magnetometer and Arduino, Kshitij '16, IIT Kharagpur.

## EXPERIENCE

### TECHNOLOGY ROBOTIX SOCIETY | SUB-HEAD

February 2016 - Present | Kharagpur, India

- Sub-heading a 3 tier team of 30 people responsible for organising Robotix '17. India's biggest college robotics fest with a footfall of 2000+ participants in 2016.
- Organizing workshops across India to spread the culture of robotics.

### KRAIG | INSTRUCTOR

Kharagpur Robotics and Artificial Intelligence Group

February 2016 - Present | Kharagpur, India

- Conducting weekly lectures on Manual and Autonomous Robotics for over 200 first year round the year.
- Fabricating 10 IEEE certified projects for over 200 students annually.

Sept, 2016 4<sup>th</sup> in Event Sensorous, National Science and Space Challenge  
Jun, 2015 All India Rank 5263 in JEE Advanced 2015.  
Jun, 2015 All India Rank 3030 in JEE Mains 2015.

## CO-CURRICULAR ACTIVITIES

- Eloquent Speaker, Won various intra and inter-school elocution competitions.
- Avid Quizzer, Won various intra and inter-school quiz competitions.
- Table Tennis at hobby level.