

# Harsh Lunia

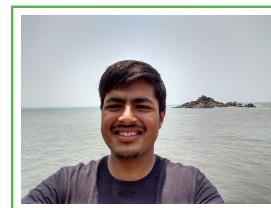
## Resumé

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## Career Objective

A budding Computer Science second-year undergraduate student looking for internship and skill development opportunities in field of robotics and related disciplines.

## Education

Degree	Institution Name	Board / University	CGPA / Aggregate	Year of Completion
Secondary School(class 10)	Apeejay School, Kolkata - India	CBSE	9.2	2013
Higher Secondary School(class 12)	Birla High School, Kolkata - India	CBSE	91%	2015
B.E(Computer Science Engineering)	BMS College of Engineering, Bangalore - India	VTU	8.73 (till 3 <sup>rd</sup> sem)	2020 (expected)

## Projects

- Online Quiz Platform - Nov 2017
  - An online platform for hosting questions to selective individuals having an account.
  - Teachers/ Quiz organizer can individually select candidates for a particular quiz.
  - Students/ Quiz takers are allowed to submit their response once, and consequently analyse their performance.
- Agriculture based swarm robots - Mar 2018
  - Project involving multiple bots cooperating to fertilize and de-weed plants depending on their colours.
  - Objective was to collaborate and complete the fertilization as well as de-weeding in most efficient manner, avoiding collisions.
  - Used Dijkstra algorithm to compute shortest path and Xbee modules for wireless communication for synchronization of tasks carried by different bots simultaneously.

## Training and Internship

### Training

- Programming for Everybody - Python, Coursera[Current]
  - A specialization course for python language offered by University of Michigan.
  - Estimated completion date : End of July.
- The Raspberry Pi Platform and Python Programming, Coursera [Current]

- An Introductory level course for single board computer 'Raspberry Pi' offered by University of California, Irvine.
- Estimated completion date : End of August.

## Co Curricular Activities

1. IEEE Special Interest Group on Atmega AVR Microcontrollers - Oct 2017
  - o I was one of the three organizer and instructor of introductory level classes on Atmega family of AVR Microcontrollers.
  - o The course catered to an audience of 50 students from different semesters and gave them an hands-on experience of embedded programming.
  - o At completion, an examination was conducted which was cleared by 32 students.

## Technical Skills

- o Programming Language
  - C++/C
  - Java
  - Embedded C
  - *currently learning* Bash and Python
- o Web Development and Database Management
  - HTML, CSS, JavaScript, PHP.
  - SQL
- o Software Knowledge
  - Programming IDE's like CodeBlocks, NetBeans, Atmel Studio.
  - Productivity Application : Microsoft Office.
  - DBMS MySQL.

## Soft Skills

1. I have strong communication skills both written and verbal. Being a course instructor, I have considerable experience in expressing myself to others.
2. I have lead a team of four to fourth position in a national level Robotics competition called "e-Yantra" organised by IIT-B. Therefore, am exposed to contention resolution, decision making and work delegation.
3. I am a self motivated and dedicated student passionate for acquiring knowledge and raising my bar every time to become a better individual in every aspect.

## Extra Curricular Activities

- o Sports
  - Rowing: 1st prize in Lake Club Anniversary Regatta, Kolkata - 2011 under scullers category.

## Personal Information

I like to watch movies, play video games and when not under any academic session/semester keep trying out new areas, specially technical to increase my knowledge base.

## References

1. Harish V. Mekali, Assistant Professor, Department of Electronics and Communication, BMSCE, +91 95387 65141, hvm.ece@bmsce.ac.in

———— Declaration

All the information mentioned in the resume are correct to the best of my knowledge and believe.

———— Date

Thursday 19<sup>th</sup> April, 2018