

# 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
  - 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
  - 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.

## Technical Skills

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

## Soft Skills

## Co Curricular Activities

## Extra Curricular Activities

## Personal Information

## References

## Declaration

## Date