

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

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

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

- 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,
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_____ Declaration

_____ Date

Thursday 19th April, 2018