Tejaswini A

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Career objective:

To learn and contribute to the world's technical innovations and to improve the lifestyle of mankind through technology.

Education:

Sl.No.	Year	Examinations	Institute	Results
1.	2017	2nd Year B.E	RV College of Engineering	9.41 CGPA
2.	2015	2nd PUC State Board	Sri Bhagwan Mahaveer Jain College	93 percent
3.	2013	10th CBSE Board	Prarthana Central School	10 CGPA

Awarded **KVPY (Kishore Vaigyanik Protsahan Yojana) Fellowship** in the year 2015 which is a national fellowship programme funded by Department of Science and Technology(DST),Government of India.

Projects

1. ### Project Hastha:
   This is a product, which our team built for the **"Smart India Hackathon-2017"**,competition. We built a smart glove which assists the deaf and dumb to communicate with the world by converting hand gestures to voice via an android app. It will also assist the visually impaired to control home appliances by hand gestures. We were the **2nd runner ups** of this competition.

2. ### TrailBlazer:
   This is a competition conducted by NITK-2016 where we had to build a line following robot which can collect some information available on the arena, analyse it and then display suitable answer when the finish point is reached.We were the **Winners** of this competition.

3. ### Cross the Crator:
   This is the theme which our team worked on, for the **eYantra Robotics Challenge-2016-17** held at IITB.The Firebird V robot had to navigate appropriate bridge by crossing the crators on its way by using image processing and path planning algorithms.We were the **Finalists** of this event.

4. ### Voice Recognition System:
   This is a project done by our team in Matlab using **Digital signal processing** which can recognize the

speaker by his/her voice provided it is trained prior.This was done from security point of view.

5. **LED matrix:**
   This is a visually appealing cube built out of LEDs which glow in certain pattern. When the music is played, they appear like dancing LEDs.This was my 1st year project done to understand microcontrollers.
6. **NCSC:**
   National Children's Science Congress, a survey and research based competition held by Government of India for High School students keeping environmental issues in mind.We were the **Zonal winners** in the year 2012 for the topic **"Soil- Use for prosperity,Save for posterity".**

Training and internship:

- Planning to do in these vacations.

Research Publications:

1. Yet to do.

Technical skills

- Programming in C, basics of Python.
- Image Processing using Numpy and Opencv library.
- PCB etching, circuits soldering.
- Worked with 8051,AVR based microcontrollers.
- Implementation of digital circuits using FPGAs, in VHDL and Verilog.

Soft Skills:

1. Leadership qualities.
2. Public Speaking.
3. Punctual, hard working and committed.

Extra Curricular Activities:

- VTU Level Kabaddi and Throwball player.
- Have taken part in various debating competitions and won some of them.
- I have done anchoring for our college fest in the year 2016 and in the science talk held by the Science Forum of our college.
- Member of Rotaract Club of our college and have taken part in some of its events like paper drive.

Co-Curricular Activities:

1. I am an active member of ASTRA robotics club, a student club in our college.
2. Our team has conducted robotics workshops in VVS PU College and RV College of Engineering, where we taught the students how to build some simple line followers, obstacle avoiders etc using arduino, breadboards etc.
3. I have taken part in the seminar and essay competions held by Visvesvarayya Museum and ISRO resp in my High School.
4. I was one of the leaders of our School Parliament.