CURRICULUM VITAE

Name: Pranavi Jalapati

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DoB: 4/12/1996

Education:

Institute	Course	Year	Aggregate
G. Narayanamma Institute of Technology and Science	B.Tech (CSE)	2014-present	74.3%
Narayana Junior college	11th and 12th (BIE-MPC)	2012-2013	91.5%
St. Joseph's Public School	10th Board (ICSE)	1997-2011	87%

Achievements:

2005	UN Peace Award (Painting).
	Gold Medal for poem writing.
2007	3rd in National English Olympiad.
2010	8th in ELS Talent Search Exam (Science and Aptitude test).
2011	1st in Inter school debate competition.
	Captain of Basketball team.
2015	Got selected as coordinator for IIT-Bombay ECell and as campus ambassador for IIT-Kanpur.
	Got selected as the coordinator for CSI (National Student Chapter).
2015	Won 1st prize in paper presentation on "Thought Identification through BCI"

2016 Won 1st prize in project expo for the project entitled “BlueDroid”.

Technical skills:

Microsoft XP applications.

Proficiency in programming languages (Python, C, C#, Java and PHP).

Adobe Photoshop, Illustrator and Web Designing (HTML & CSS).

App development in Android Studio.

Matlab.

MySQL.

Projects:

- **Bluedroid:** As a part of our hobby project, I have built a microprocessor based app controlled car. It uses Bluetooth module (HC-05) to receive and transmit signals and establish communication between the Arduino microprocessor (based on ATmega328p) and the Android application. I have also developed an app (**Bluedroid**) using Android Studio.
- **Algorithmic approach for resonance counteractive methods:** Currently I'm working on a self motivated project based on identifying and counteracting resonance to control its aftermath. The idea of this project is to detect resonance by measuring galvanic skin response and identify it in resonance database and set up a counter harmonic of the resonant frequency. A wide range of frequencies is addressed using low-frequency acoustic absorbers which explicitly guard the sensitive targets. The frequencies that bypass the absorber are modified through signal processing algorithms (tested in Matlab simulation software) which either invert the polarity of the signal or superpose it with a machine generated pulse which results in beats of varying frequency.

Languages:

English, Telugu, Hindi and Spanish.

Extracurricular:

- Technical content write.
- Logo designer.
- Organizer of the college literature club (Literaria Clava) and photography (Philanto).
- Student coordinator for CSI (National level student chapter).
- College representative for GNITS at IIT-Bombay (E-Cell).
- College representative for GNITS at IIT-Kanpur.

- Participated in paper and poster presentations held at various universities.