

# Satya Naraparaju

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## Objective

An internship with a leading company which provides the opportunity to expand my knowledge as a Computer Science major. My experience as coder of the campus clubs and my strong communication skills ensure that I will make a positive contribution to your organization.

## Education

|  |        |           |
|--|--------|-----------|
| G Narayanamma Institute of Technology and Science      |        | 2014-     |
| Bachelor of Technology, Computer Science & Engineering | 83.33% |           |
| 12th (Senior Secondary Examination)                    |        | 2011-2013 |
| Andhra Pradesh Intermediate Examination Board          | 96.7%  |           |

## Awards and Accomplishments

- Selected under the **Microsoft Student Partner** Program(2016- )
- Serve as the **Joint Secretary of Computer Society of India** Student Chapter of GNITS
- Serve as the Campus ambassador at **IIT Kanpur Ecell**
- Hold the Campus ambassador position of **IIT Bombay Techfest**
- Secured First Prize in Paper Presentation on "**Thought Identification through Brain Computer Interface**".
- President's Award For Educational Excellence in recognition of outstanding academic excellence presented by **THE WHITE HOUSE OF UNITED STATES OF AMERICA**
- Creek View Elementary School **Spelling Bee Winner** in Georgia
- acquired admission into EPGY Online HIGH School at **STANFORD UNIVERSITY**
- Nominated in **National Society of High School Scholars**
- Outstanding Achievement in English presented by Alpharetta High School
- Several certification certificates in recognition of exceptional accomplishments far exceeding classroom expectations in the area of academics
- Acquired recognition in Niveau 2 level in National French Contest conducted by **ASSOCIATION AMERICAINE DES PROFESSEURS DE FRANCAIS** (Certificat d'honneur for Le Grand Concours )

Certificate of Achievement in recognition for highest average in Social Studies

- Achievement Award presented for highest average in Life Science
- Certificate of achievement for completing JA Economics for Success
- Nominated for Webb Bridge Middle School Honor Roll for academic excellence.

## Technical skills

**Language:** C,C#,JAVA,Python,Web Development,MySql

**Tools:** Adobe Photoshop,Adobe AfterEffects, Adobe Illustrator, Android Studio,Arduino ,Matlab

## Projects

- **Algorithmic Approach for Resonance Counteractive Methods**

Currently working on a project in which, Infrasonic and ultrasonic sounds work at a range beyond the human scope of hearing. Yet, they can be perceived by the ear. The tympanic membrane sees the infrasonics as just another pressure wave until it encounters what is called the "Brown note" (19 Hz) which happens to be the resonant frequency of most of the fluid-filled parts of the body. This is of primary concern for the aviation pilots and soldiers in the vicinity of an explosion. Vibroacoustic disease (VAD) is a whole-body pathology that develops in individuals excessively exposed to ILFN marking its application in infrasonic weapons. The solution to this problem can be achieved by detecting resonance and setting up a counter harmonic of the resonant frequency. Confronting resonance can be achieved in a series of steps. The project proposes to find the insight of the above problem.

- **Android based Robotics**

The project couples the powerful capabilities of Android Smartphone with robotic components .Thereby, emphasizing on developing an android application to virtually control the dynamics of a machine. A microcontroller board based on ATmega328P, Arduino Uno, is used to transmit PWM signals to direct the vehicle and control the speed. The feasibility of this system is further enhanced with the android app by receiving inputs given to the machine which can either be simple direction commands, or recognized touch command set by responding to the direction of swipe movements, or an accelerometer command set by responding to the motion of the accelerometer of the phone with various modes of controlling the car.

## Community Service

- Atlanta-Fulton Public Library System recognition for outstanding service
- Elected to THE NATIONAL JUNIOR BETA CLUB of United States because of outstanding character and achievement.
- Good Citizenship Award in recognition of being an outstanding citizen by practicing academic integrity, demonstrating positive character traits, showing concern for others, and attending school regularly on March 24,2009
- Good Citizenship Award presented again by Webb Bridge Middle School on May 11,2010

## Additional information

2013 Secured All India percentile in JEE Main-2014(98.8%)

2013 Secured admission into national reputed colleges like NIT Trichy, NIT Warangal, Indian Institute of Informational Technology Bangalore(IITB) ,Dhirubhai Ambani Institute of Information and Communication Technology(DAIICT),etc.

2012 Secured a rank in NTSE SCIENCE OLYMPIAD

2012 Secured rank in AS Rao Talent Search Examination

2010-2011 Represented Junior Beta on the behalf of Webb Bridge Middle School

2005-2011 Have undergone 6 years of formal training in orchestral music