

# RUCHI PRIYA

B.Tech, Electronics And Communication Engineering

VIT Chennai

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Ardent coder and Enthusiastic learner, likes to learn new stuff, focussed and a team player.

## Education

2020	Vellore Institute of Technology, Chennai Bachelor of Technology, Electronics And Communication Engineering	9.13/10
2016	12 <sup>th</sup> (Senior Secondary Examination) Central Board of Secondary Education	86%
2014	10 <sup>th</sup> (Secondary Examination) Central Board of Secondary Education	95%

## Internships

May'18	<b>BSNL Ltd.   Muzaffarpur</b> <ul style="list-style-type: none"><li>• Underwent a 4 week training on how to practically achieve effective and reliable communication</li><li>• Identified and learned to solve various telecommunication related problems.</li><li>• Studied about different switching techniques , CDOT , NGN , IP based network concepts.</li></ul>
June'18	<b>Steel Authority Of India   ECE Department   Rourkela</b> <ul style="list-style-type: none"><li>• Underwent a 4 week training on making error free electronics circuits.</li><li>• Learned to make structural framing of circuits and how circuits are made according to the machinery requirements.</li></ul>
April'17	<b>Eride   Digital Marketing Intern</b> <ul style="list-style-type: none"><li>• Learnt various Marketing strategies, how to promote a product on social platforms.</li></ul>

## Academic Projects

- E-commerce Website Development ([www.happyec.in](http://www.happyec.in)) | (Lean Start-up Project)
- Gesture Vocalizer for deaf and mute people
- Smart Gas Stove Using Raspberry-Pi
- Automated Traffic Control System using IOT (Raspberry-Pi)
- Intruder Detection System using Image Processing.
- Audio Manipulation using different wavelets. (MATLAB)
- Alert Giving Security Bot (using Arduino and GSM Module)
- Smart door lock system (using 8051)
- Clap based circuit for security and smart home
- Various other hardware circuits using Arduino-Uno , 8051, r-pi , Node MCU , GSM Module etc.

## Technical Skills

Languages	Java, C, C++ Python, MATLAB , R-language, Assembly language
Scripting Languages	HTML, CSS , TCL ( basic)
Softwares Known	LT/P Spice, ORCAD, Virtuoso, Proteus, Keil, MATLAB , R-Studio, Cisco Packet Tracer , NS2, NetSim

## Hardware

- Efficient in making any kind of hardware circuits and it's Trouble-Shooting
- Worked on Arduino-Uno , 8051, r-pi , Node MCU ,several modules (Bluetooth ,GSM, motor driver) and other sensors.

## Certifications

### Winner

- **1<sup>st</sup> place** | Electrothon (24-hour) - Automated Traffic Control System using IOT. | **2018**
- **3<sup>rd</sup> place** | Absolute Command Make-a-thon 2.0 (24 hour) - Alert giving Security Bot | **2018**

### Participation

- IOT Make-a-thon (NOKIA) | **2018**
- Mech-a-tron (VALEO) | **2018**
- Workshop on Facebook Developer Circle | **2017**
- Workshop on Electronics Projects | **2016**

### Appreciation

- Teaching Assistant for one academic year (Signals and Systems) | **2018**
- Event Coordinator in different Cultural and Technical Fests | **2018**
- National Service Scheme(NSS) Volunteer | **2017-2018**

### Other

### Certifications

- Spoken tutorials online assessment conducted by VIT in collaboration with **IIT Bombay** for **C , C++ , Java.**
- Google Analytics Certificate (**Google**)

## Other Skills/Achievements

- Science and Maths Olympiad State Topper
- Event Management , Marketing , Public Speaking , Social entrepreneurship.
- Active-participation in all extra co-curricular activities

### Hobbies

Photography , Travelling