

# VEMULA SAI SRI VATHSA

## INTERESTS

Software Development, Web Development, Software Security

## EDUCATION

- 2015- **Bachelor of Technology**, *Indian Institute of Technology Roorkee*,  
2019 Majoring in Electronics and Communication Engineering  
**CGPA : 7.413 on a scale of 10**
- 2015 **Class 12<sup>th</sup>**, *Narayana Junior College*, Hyderabad, Percentage: 97.3  
2013 **Class 10<sup>th</sup>**, *Paramita High School*, Karimnagar, GPA : 9.8 on a scale of 10

## PROJECTS

February **Gregory**, *Code Fun Do Project*

- 2017
- Developed a web application using Django framework and javascript.
  - This application helps the users to easily hoist and organise various events in institutions like colleges and offices.
  - Source code can be found [here](#)

March **Sangram'17 Website**

- 2017
- Developed a website for Sangram'17, an inter-college sports meet conducted by IIT Roorkee.
  - The website is developed using Django framework and Javascript.
  - Website is currently live [here](#)

June **Music Room**

- 2017
- Developed a live music room application for AngelHack Hackathon at Microsoft IDC Hyderabad.
  - The website is developed using NodeJS and Javascript.
  - Users can create, join rooms and listen to live streaming music.
  - Source code can be found [here](#)

March **Assembly Coding in MIPS-32 architecture**

- 2017
- Studied MIPS-32 Architecture
  - Wrote an Assembly Language [program](#) for a Binary Coded Decimal (BCD) unit for MIPS-32 architecture

April **FPGA Based Implementation of an Invisible Robust Image Watermarking Encoder**

- 2017
- Implemented key based image watermarking algorithm on Spartan 3E kit.
  - [Matlab](#) simulations for the algorithm were also developed.
  - Project report can be found [here](#)

## SKILLS

### Computer Languages

Python, C++, Java, JavaScript, SQL, Verilog, Assembly  
(for MIPS)

### Spoken Languages

English (SRW), Hindi (SRW), Telugu (SRW)

### Software Packages

Django, NodeJS, Git, MATLAB, ISE Design Suite, Xilinx,  
LT Spice, QTSpm

## RELEVANT COURSES

- Introduction to Object Oriented Programming
- Introduction to Data Structures
- Computer Architecture and Microprocessors

## EXTRA-CURRICULARS AND AWARDS

### Sangram'17

- Worked as executive web developer at Sangram'17.
- Sangram is an inter-college sports meet conducted by IIT Roorkee.

### Associate Mentor at Student Mentorship Program

- Worked as an associate mentor in the Student Mentorship Program to guide and mentor freshers at IIT Roorkee in various fields by fostering healthy senior-junior interaction.