Junior Year Student
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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 12th**, *Narayana Junior College*, Hyderabad, Percentage: 97.3

2013 **Class 10th**, *Paramita High School*, Karimnagar, GPA : 9.8 on a scale of 10

—— PROJECTS

February 2017 **Gregary**, *Code Fun Do Project*
- Developed a web application using Django framework and javascript.
- Thiss application helps the users to easily hoist and organise various events in institutions like colleges and offices.
- Source code can be found here

March 2017 **Sangram'17 Website**
- 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 2017 **Music Room**
- Developed a live music room application for AngelHack Hackathon at 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 2017 **Assembly Coding in MIPS-32 architecture**
- Studied MIPS-32 Architecture
- Wrote an Assembly Language program for a Binary Coded Decimal (BCD) unit for MIPS-32 architecture

April 2017 **FPGA Based Implementation of an Invisible Robust Image Watermarking Encoder**
- 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)

Software Packages
Django, NodeJS, Git, MATLAB, ISE Design Suite, Xilinx, LT Spice, QTSpim

Spoken Languages
English (*SRW*), Hindi (*SRW*), Telugu (*SRW*)

—— 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.