



Shashank Sharma

Electronics and Communication Engineer

About Me

My name is Shashank Sharma, and I am a highly motivated and hardworking individual currently pursuing my B.Tech degree from PES University, Bangalore. I have completed several projects in VLSI, IoT, web design, digital image processing, and other fields, which have allowed me to demonstrate my skills in VLSI, Image processing and learning different programming languages. As a quick learner and effective communicator, I enjoy collaborating with others and am always seeking new challenges to further enhance my skills. In addition to my projects, I have also played basketball and swam at the state level, which have allowed me to approach problems from different perspectives and work effectively in a team. I am excited to contribute my knowledge and enthusiasm as an intern and am confident that I will make a positive impact in the working environment.

My Contact

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Skill

- MATLAB
- CODASIP
- RIPES
- Quartus Prime Lite
- Photography
- Team Work

Language

- Python
- C / C++
- System Verilog
- HTML, CSS, JS
- Assembly level language

Education Background

- PES University Bangalore
2020 - present
- Deeksha PU College Bangalore
2017 - 2019

Projects

- Designed a fully functioning FM receiver and transmitter. The project includes transmitting a signal at a particular frequency and receiving that signal in the same frequency when tuned. Also, it could receive the FM signal when tuned to their frequency.
- I worked on drawing basic circuits on Cadence and getting their properties. Then, I worked on more complex circuits and their properties and designed different conditioned circuits.
- I also worked on Quartus Prime Lite software to program an instruction on an FPGA.
- Codasip and RIPES: I have experience using these tools to compare the speed or the number of cycles used by a particular circuit. First, I implemented the circuit on RIPES software using C or assembly level language and then compared it on Codasip.
- Cryptography - designed a code to break into a locked file in the system using python language.
- File transfer system using Python with GUI.
- Bluetooth and Zigbee connection using Python and comparison of their properties.
- Designed a websites to display the cricket score using HTML, CSS, JS
- DIP: In this project, I displayed different properties of an image using MATLAB.
- File transfer system using Python with GUI.
- Currently, I am working on a routing algorithm as my final year project under VLSI.