Pravesh Rathee

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Technical skills

- **EDA Tools:** Xilinx Vivado, Xilinx ISE, Synopsys DC , IC Compiler ,Cadence Virtuoso , Virtuoso Layout Editor
- **Programming:** Verilog , VHDL ,Basic C
- **Development Kits:** icoboard FPGA iCE40,Digilent ZedBoard Zynq®-7000 ARM/FPGA SoC
- **Basic Knowledge:** Convolutional Neural Network
- Working experience with **Raspberry Pi, Arduino**

Areas of Interest

- Digital IC Design and Verification, Physical Design ,ASIC and FPGA based design,SoC based design, CMOS based design.

Education

Academic Qualifications

- **Indian Institute of Technology, Hyderabad** — **Hyderabad**
  M.Tech in Micro electronics and VLSI , CGPA, ***8.86/10*** — *2017-present*
- **UIET , Kurukshetra University** — **Kurukshetra**
  BTech in Electronics and Communication Engineering , Percentage, ***63.33*** — *2012–2016*
- **CRPF Public School** — **New Delhi**
  Central Board of Secondary Examination, Percentage, ***80.2*** — *2011–2012*
- **CRPF Public School** — **Secunderabad,AP**
  Central Board of Secondary Examination, CGPA, ***9.2*** — *2009–2010*

Academic Projects

- Worked on hardware-software based re-configurable design of CNN
- Design and simulated the architecture for reconfigurable FFT.
- Design and synthesized 16- bit CORDIC hardware.
- Designed and synthesized 16 - bit Vedic multiplier .
- Design, simulation, verification, layout, DRC, LVS and extraction simulation of half adder circuit..

Relevant Course Work

- Digital IC Design*
- Semiconductor Device Physics*
- Mixed Signal Circuit Design*
- Analog IC Design*
- Embedded Systems and Hardware Design
- VLSI Technology and CMOS Fabrication