ANIL SHARMA

Electronics and Communication Engineering, NIT Sikkim
Interest: Digital System Design and Verification

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Education

National Institute of Technology Sikkim, Ravangla, India.
Bachelor of Technology, Electronics and Communication Engineering. *2015 - 2019*
CGPA: 7.54/10

Govt. Sr. Sec. School Rhenock, Sikkim, India.
High School, CBSE *2014 - 2015*
Percentage: 78.4 %

Current Position

ASIC Verification Engineer, PerfectVIPs Techno Solutions Pvt. Ltd.
Bhubaneshwar, India. Jul '19 - Present

Experience

Summer Intern, Indian Institute of Technology Bombay
Mentor : Prof. Virendra Singh *May '18 - Jul '18*

- Worked on hardware implementation of AES algorithm.
- Technologies/Tools: Verilog HDL and Xilinx Vivado Software.

Summer Trainee, Motilal Nehru National Institute of Technology Allahabad
Topics Covered:VLSI Design and Embedded System *Jun '17 - Jul '17*

- Covered basics concepts of VLSI Design and Embedded System.
- Technologies/Tools: Verilog HDL, AT89C51,Xilinx ISE Design Suite and mikroC Pro.

Technical Skills

Programming Languages C, Verilog HDL, System Verilog HVL, Assembly (x86), Core Java, Python, LaTeX.
Software Tools: Synopsys VCS, Xilinx ISE, Vivado, HFSS 13.0, MATLAB, PyCharm, IntelliJ IDEA.
EDA | **FPGA Tools**: Cadence Virtuoso | Basys-3.
Platforms: Comfortable with Windows and Linux System.

Projects

Some Studies on Multi-Band Frequency Selective Surfaces:
BTech Major Project | ***Supervisor: Dr. Ayan Chatterjee*** *Aug '18 - May '19*

- Designed different types of filter using HFSS 13.0 Software and analysing their performance and other parameters.

Single Pipelined 128 bit AES Algorithm:
Topic : Cryptography | ***Mentor : Prof. Virendra Singh*** *May '18 - Jul '18*

- Implemented a efficient Single Pipelined 128 bit AES Encryption algorithm using Verilog HDL.

Digital Clock:
Topic: Embedded System *Jun '17 - Jul '17*

- Designed a Digital Clock using Embedded C, AT89C51 micro Controller board and displayed the DATE, TIME and NAMES of days on 16X2 LCD Screen of the development board.

Position of Responsibility

Student Coordinator Training and Placement Cell, NIT Sikkim.
Technical Coordinator, UDGAM | Cultural fest of NIT Sikkim.
Technical Coordinator, ABHIYANTRAN | Technical fest of NIT Sikkim.

Hobbies

Singing, Travelling, Playing Chess, Cricket and Football.