Jatin Jitendra Sharma

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CAREER OBJECTIVE/ ABOUT ME :

To enhance my professional skills, capabilities and knowledge in an organization which recognizes the value of hard work and trusts me with responsibilities and challenges. Seeking for Job/ Internship in RTL Design and Verification / Open to new opportunities in Semiconductor Industry

PROFESSIONAL TRAINING / CERTIFIED TRAINING /CERTIFICATION /HANDS ON TRAINING :

- **Advanced VLSI Design and Verification Course**
  Maven Silicon VLSI Design and Training Centre, Bengaluru
  May 2022 till date.
- **Pcb and Circuit Design**
  Certified by CETPA INFOTECH PRIVATE LIMITED , Noida.
  16th Oct 2021 to 12th Nov 2021.

EDUCATION

2016
- **B. E in Electronics And Telecommunications**
  Sant Gadge Baba Amravati University
  8.61 CGPA

2013
- **Diploma in Electronics And Telecommunications**
  MSBTE, Pune
  66.91%

2010
- **10th**
  Dynanmata High School, Amravati
  70.91%

TECHNICAL SKILLS

- **VLSI Domain Skills**
  HDL: Verilog
  HVL: SystemVerilog
  Verification Methodologies : Constraint Random Coverage Driven Verification
  Assertions Based Verification - SVA
  TB Methodology : UVM
  Protocols : AXI, AHB, UART, I2C, SPI
  EDA tools: Mentor Graphics Questa Sim and Xilinx- Ise, Xilinx- Vivado.
  Domain: ASIC/FPGA front-end Design and Verification.
- **Programming Skills**
  C [Data type | Array | Pointers | Memory Allocation | List | Stacks and Queues.
  C++, Good Knowledge of Oops concepts.
- **Core Skills**
  RTL coding using synthesizable constructs of Verilog, FSM based design, Simulation,

CMOS Fundamentals, Code Coverage, Functional Coverage, Synthesis, Static Timing Analysis, Assertions Based Verification using SVA.

- **Operating System**
  Linux

VLSI DESIGN

- **Digital Electronics:**
  Combinational & Sequential circuits, FSM, Memories, CMOS implementation, Stick diagram.
- **STA:**
  STA Basics, Comparison with DTA, Timing Path and Constraints, Different types of clocks Clock domain and Variations, Clock Distribution Networks, Fixing timing failure.
- **Verilog Programming:**
  Data types, Operators, Processes, BA & NBA, Delays in Verilog, begin - end & fork join blocks,
  looping & branching construct, System tasks & Functions, compiler directives, FSM coding,
  Synthesis issues, Races in simulation, pipelining RTL & TB Coding.
- **Advanced Verilog & Code Coverage:**
  Generate block, Continuous Procedural Assignments, Self-checking testbench, Automatic Tasks
  Named Events and Stratified Event Queue, Code Coverage: Statement and branch coverage,
  Condition & Expression Coverage, Toggle & FSM Coverage

PROJECTS

- **Router 1x3**
  Designed using Verilog. Implemented by various submodules like FIFO, FSM, Register, Synchronizer working together and communicating with each other. As the name 1x3 one Router connected between three networks sending and receiving data accordingly.
- **PC to PC OPTICAL FIBER COMMUNICATION SYSTEM**
  Final Year Degree Project.

BEHAVIORAL SKILLS /HOBBIES

Team Leader, Team Player, Punctual, Persistent, Time management.

80%

Numismatics

80%

EXPERIENCE

13/09/21 - 13/09/22

- **Field Application Engineer**
  Record Tech Electronics, Roorkee
  - Calibration and Testing of various instrumentation sensors such as LVDT's, Load Cell's, Earth Pressure Cell's.
  - Pcb fabrication including printing, etching, drilling, components mounting through hole as well as SMD.
  - Reports, Leading team to complete the project assigned.
  - Test Pile Load Test Data Monitoring in MAHSR Bullet Train Project.
  - Test Pile Installation in MAHSR Bullet Train Project.
  - Manufacturing and Designing LVDT's for NHPC Kishanganga Project.
  - Installation of Data Monitoring system of Pandit Deendayal Upadhyay Cable Stayed Bridge (Surat) .

ACHIEVEMENTS & AWARDS

- 6 years Class Representative (3 Years in Diploma, Degree respectively.)
- Represented my school at District Level in Football.

ACTIVITIES

- Member Of Dream Foundation Group.

LANGUAGES

- English
- Hindi
- Marathi

DECLARATION

- “I hereby declare that the details and information given above are complete and true to the best of my knowledge.“

Place: Ghaziabad
Date

Jatin Jitendra Sharma