RUPAM SEN

Digital Design Engineer [RTL] @Vervesemi Microelectronics
Email: rupam9815@gmail.com
Contact No.: +91-9051410144/8240241792
LinkedIn ID: https://www.linkedin.com/in/rupam-sen-19007221b/
Bengaluru, Karnataka, India

WORK EXPERIENCE

VERVESEMI MICROELECTRONICS [RTL Design Engineer] **October, 2023 – Present**

- Developed RTL for I2C as per STM32 datasheet.
- Designed SPI Slave as per given specification as training task, developed testbench, and worked on Synthesis.
- Working on PULPissimo Microprocessor.

CADENCE DESIGN SYSTEMS [Product Validation Intern] **Aug,2022 – July,2023 (11 months)**

- Worked with Mixed-Signal Product Validation team as an Intern from August 2022 to July 2023 at Cadence Design Systems, Bengaluru.
- Received comprehensive training and experience on the SV-AMS, Wreal, and RNM techniques.
- Daily regression analysis; Debugging the failed testcases and finding root cause of failure regression testcases; work experience in Perforce area.

TECHNICAL SKILL

- **HDL –** Verilog, System Verilog, Verilog-AMS
- **Programming & Scripting language –** C/C++, Python, Perl, Shell, Makefile
- **Software –** Xcelium Simulator, Simvision, Virtuoso, EDA Playground, Xilinx Vivado

PROJECT

Verilog HDL Project [Personal Project]

- Modelled 64-byte depth Synchronous FIFO & Create Verification Environment.
- Smart Traffic Light controller using Finite State Machine, which senses the congestion on the road and accordingly control the traffic signal.

GitHub Link: https://github.com/RupamSen?tab=repositories

EDUCATION

Master of Technology [Communication Systems]	*Motilal Nehru National Institute of Technology* (MNNIT), Allahabad	CPI – 9.1/10	2021 - 2023
Bachelor of Technology [ECE]	University of Calcutta – *Institute of Radio Physics and Electronics* (IRPE), Kolkata	8.76/10 81.97%	2018 - 2021
Bachelor of Science [Physics (Honours)]	University of Calcutta – *Seth Anandram Jaipuria College*, Kolkata	62.37%	2015 - 2018
Class XII	*Pannalal Institution*, Kalyani, WB (WBCHSE)	87.8%	2015
Class X	*Chatra Ganesh Lal High School*, Birbhum, WB(WBBSC)	85%	2013

Achievements

- Achieved *AIR 3302* and *score 474* in GATE 2021 conducted by IIT Bombay. (Paper – Electronics & Communication)
- Qualify JAM 2018 conducted by IIT Bombay. (Paper - Physics)