MANAJ MOHAPATRA

Software Engineer

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EXPERIENCE

Software Engineer

IMH Team, Texas Instruments India

Aug 2016 – Present Bangalore,India

- Developer of an in-house python based software application used for device control, data capture, visualization, analysis, logging and UI creation.
- Working with a team on design and development of automation tool that will work on embedded linux. This tool will be used for high rate data transmission.
- Developer of a register mapping tool that captures device information during design cycle and can be used for export information in required format for further use.

AREA OF INTEREST

- Software Automation
- Embedded Systems

SKILLS

C++, Python, Qt, HTML, CSS, JavaScript ●●●●●

C, Embedded Linux, Git, MATLAB, Octave ●●●●○

HARDWARE

FTDI devices, ARM Cortex-M4 ●●●●●

Zynq zc-706, Digilent Nexys 4, Basys 3 ●●●●○

EDUCATION

Master of Technology
VLSI Design & Embedded Systems

National Institute of Technology, Rourkela

May 2015 – May 2016 Odisha, India

Bachelor of Technology
Electronics & Instrumentation Engineering

National Institute of Technology, Rourkela

Aug 2011 – May 2015 Odisha, India

AWARD

Automation Champion of the Year 2017 in IMH product Group of Texas Instruments India

INTERNSHIPS

CFAR model design using MATLAB and SIMULINK software

DRDO

May 2014 – July 2014

Hardware implementation of Power meter using XILINX-ISE tool

DRDO

May 2013 – June 2013

COURSES

Introduction to C++

edx

Sept 2015 – Oct 2015

Modelling and Simulation using MATLAB

Iversity

Apr 2014 – Aug 2014

PROJECT

FPGA Implementation of PAPR Reduction technique in OFDM

- This project aimed to study of Peak-to-Avarage Power Ratio (PAPR) reduction techniques and develop a model that can maintain high speed data transmission with minimum PAPR.
- Proposed a technique that calculates PAPR using different transformations and sends the most efficient among them with transformation information.