

KSHITIZ

A quick learner and always motivated to grow and excel through hardwork

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Patna, Bihar



EXPERIENCE

Fossee Summer Fellowship

Fossee IIT Bombay

April 2020 – May 2020

Mumbai, Maharashtra

- Formulated mathematical models and other methods of computer analysis to develop module on "Cloud Removal System From Satellite Imagery" with scope of inclusion of early warning to bad weather.
- Developed and designed module for recognizing human voice from background noise using open source software Scilab.
- Completed 110 hands-on examples from 5 books under Xcos TBC program for practical learning and understanding the in depth engineering concepts in Control systems, Electronic Devices and Communication system for Text Book Companion program by IIT Bombay Funded by NMEICT, MHRD Govt. of India

PROJECTS

- Cloud Removal System from Satellite Imagery** - The project aims to simulate the cloud cover noise from thick to thin and show the underlying structures. This project can be used as early alarming system for region which may have heavy rainfall and floods. It is an open source project funded under the flagship Fossee program of IIT Bombay NMEICT MHRD.
- Covid 19 Infected Prediction Algorithm** March 2020
The next day count in India based on the analysis of current number of patients in India and the rate of spread of Covid can be predicted using this algorithm.
- 4 bit Add/Sub/Comparator using Verilog HDL** Operations performed by hardware module designed using Xilinx Vivado: $A+B$, $A-B$, $A>B$, $A<B$ and $A=B$. Using this module we can design small math co-processor which can be included as RTL design.

EDUCATION

B.Tech. in Electronics & Communication Engineering

IIIT Seanapti Manipur

CPI: 9.52/10

Aug 2018 – Present

Higher Secondary School (XII) Science (C.B.S.E)

St. Karen's High School Patna

Percentage: 91%

April 2015 – May 2017

Secondary School (X) (C.B.S.E)

St. Karen's High School Patna

CGPA: 10/10

April 2013 – May 2015

SKILLS

C Programming

JAVA

Matlab

Scilab

Digital Communication

Analog Communication

Information Theory

LANGUAGES

English

Hindi



ACCOMPLISHMENTS



Fellowship 2020

Got selected for ideation in Fossee Summer Fellowship Program 2020 out of 11000+ participants across India.



HSC 2017

Physics Topper with 95% at Boards Exam in Higher Secondary School

POSITION OF RESPONSIBILITY

- Student Head Placement Committee** at IIIT Seanapati Manipur
- Member of EBSB Club
- DUPC (Departmental Undergraduate Programme Committee) Member - IIIT Seanapati Manipur