

Dhiman Sarkar

B.Tech Student

Department of Electronics and Communication Engineering

Jalpaiguri Government Engineering College

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Statement

I'm an undergrad student in the Department of Electronics and Communication Engineering at Jalpaiguri Government Engineering College. I'm very much passionate in the field of Analog Design, RF Engineering and VLSI Engineering. I'm aiming to use my knowledge that I have acquired from my coursework as well as self-study to research, develop and create in my desired fields.

Education

Secondary Exam

Fanindra Deb Institution

- 2014
- Marks obtained: 82%

Higher Secondary Exam

Fanindra Deb Institution

- 2016
- Subjects taken: Physics, Mathematics, Chemistry, Bengali, English
- Marks obtained: 70%

Diploma in Engineering & Technology

Jalpaiguri Polytechnic Institute

- 2016-2019
- Electronics and Telecommunication Engineering (ETCE)
- OGPA: 8.3/10 ; Percentage: 80%

Bachelor's in Technology

Jalpaiguri Government Engineering College

- 2019-Present
- Electronics and Communication Engineering (ECE)
- 2nd year YGPA: 7.63;

Projects

ELV-VLF Signal Receiver

<https://github.com/DhimanSarkar/ELF-VLF-Signal-Receiver>

- An experimental setup for the study of atmospheric changes due to various causes like lightning, solar storm, eclipse, earthquake etc.

Precision Null Detector

<https://github.com/DhimanSarkar/Precision-Null-Detector>

- An alternative to galvanometric implementations of analog null detector.
- High precision and resolution than galvanometric implementations.

Microphone Pre-amp

https://github.com/DhimanSarkar/Desktop_Microphone_PreAmp

- A general purpose op-amp based preamp implementation.

Skills

Electrical/Electronics Domain: Analog Design (upto HF), Analog Filter Design (upto HF), PCB Design (upto MF), Arduino, Digital Logic Design, Simulation Tools (upto HF) [Multisim, SPICE, MATLAB/Simulink], EDA Tools [KiCAD, Altium, AutoCAD]

Computer Science: C, MATLAB, GNU Octave, Python

Web Development: Static Front-End Development [HTML/CSS/JS, Jekyll, Hugo], Google Script, Netlify, GitHub Pages

Communication Languages: Bengali (vernacular), English

Academic: LATEX, MATLAB, Mathematica, Office Suite

Other: Graphic Design, Teaching Material