

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 of Electronics and Communication Engineering at Jalpaiguri Government Engineering College. I'm very much passionate in the field of Analog Design, RF Engineering, VLSI Engineering and Precision Instrumentation. 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

◉ Bachelor's in Technology

Jalpaiguri Government Engineering College

- 2019-Present
- Electronics and Communication Engineering (ECE)
- Average GPA: 7.69 (upto 5th semester);

◉ Diploma in Engineering & Technology

Jalpaiguri Polytechnic Institute

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

◉ Higher Secondary Exam

Fanindra Deb Institution

- 2016 • WBCHSE • 70%
- Subjects taken: Physics, Mathematics, Chemistry, Bengali, English

◉ Secondary Exam

Fanindra Deb Institution

- 2014 • WBBSE • 82%

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.

Audio Amplifier Board

<https://github.com/DhimanSarkar/Audio-Amplifier-System>

- 24 watt output power • 4 input mixer • Bluetooth connectivity

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 Domain: C, MATLAB, GNU Octave, Python

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

Academic: LATEX, MATLAB, Mathematica, Office Suite

Communication Languages: Bengali (vernacular), English

Other: Graphic Design, Teaching Material