Dhiman Sarkar

B.Tech Student
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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: 7.85 (upto 6th 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 (HF), Analog Filter Design (HF), PCB Design (MF), Arduino, Digital Logic Design, Simulation Tools (HF) [SPICE, Multisim, MATLAB/Simulink], EDA Tools [KiCAD, Altium, OrCAD, AutoCAD]

Computer Science/Application: Embeded C, C, C++, C#, .NET Core/Framework, MATLAB, GNU Octave, Python, 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