Get in touch!

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in chandan-kumar

Academic Details:

Department of Electronic Science, University of Delhi

Scholar | Master of Science (Electronics)

- 85.6%
- Member, Students Grievance Committee, (June 2019- May 2020)

Zakir Husain Delhi College, University of Delhi

Scholar | Bachelors of Science (Electronic Science)

- 7.35 CGPA
- PCB Designing Project (OP-Amp Tester Circuit)

Certifications & Internships:

- **Overview of Web GIS technology, Indian institute of remote sensing (IIRS), ISRO**
- **Fundamentals of Embedded Linux, Microchip University**
- **Technical Development Associate, Arista Vault**
- **Battery Charging Fundamentals & Applications, Microchip University**
- **Internet of Things, BoltIot, India**

Languages Spoken

English, Hindi

Hobbies

Reading Novels

Visiting New Exciting Websites

Chandan

Summary

A post graduate with exposure in Semiconductor Technology, Power management & Embedded systems having strong knowledge of circuit designs, & CMOS technology. Seeking a challenging and growth oriented position in Embedded systems, power management & semiconductor industry. Comfortable working on Hardware support engineering independently or in a team. Excellent problem solving skills, experience in in all aspects of project development from concept through completion.

Work Experience

Project Assistant
Indian Institute of Technology Delhi | July 2021 - Present

- Designing of Pedometer for farm animals using Wi-fi module, accelerometer and SD Card to collect, store and transfer the data into database server. Project involves various power management protocols to effectively work for longer time on battery.

Embedded Engineer
Trydan Motors Pvt. Ltd. | May 2019 - June 2021

- Hardware Designing & Programming of Vehicle control unit (VCU) for electric bicycles, to integrate various sensors for different features. Worked on LDOs, DC-DC buck converters to drop battery pack voltages of 36V to 5V & 3.3V to power microcontrollers with rectified voltages.

Project Work (Post graduate research)
Department of Electronic Science, University of Delhi

- As a part of 6-month project work, i designed an application that can help us in calculation of antenna parameters like bandwidth, power spectrum, radar plots using LabVIEW and automate the entire setup process & calculations remotely. This solves the problem of physically present all the time at the anechoic chamber. The setup consists of a Host machine with NI LabVIEW environment, signal generator (Rigol DS3060), Arduino, Servo motors, R&S Network analyser, and testing transmitting & receiving antennas.

Achievements

- University Gold Medalist in M.Sc. Examination.
- UGC-NET December 2019 [Electronic Science] Qualified
- GATE 2020 [EC] Qualified

Specializations

Technical Core Skills

- **Programming Languages:** Python, MATLAB, LabVIEW, C/C++
- **Circuit Simulation & PCB Designing Tools:** PSpice, KiCAD, EasyEDA, MultiSim.
- **Development Tools:** STM32cubeIDE, VS Code, Arduino IDE, MITS PCB Designer.
- **Operating Systems:** Linux, Windows
- **Web Technologies:** HTML, CSS, JavaScript.