

Samrat Sagardeep Ghosh

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CAREER OBJECTIVE

To obtain an internship working with experienced electrical and electronics engineers, that will utilize my design and programming skills.

EDUCATION

M. Tech. in Power Electronics & Drives , <i>National Institute of Technology Delhi</i> 8.27 CGPA 1st year	2021 – Ongoing
B. Tech. in Electrical Engineering , <i>Techno India, Salt Lake under MAKAUT University</i> 8.08 CGPA	2015 – 2019
XII(Senior Secondary) – CBSE Board , <i>Kendriya Vidyalaya Cossipore</i> 84.8 %	2014
X(Secondary) – CBSE Board , <i>Kendriya Vidyalaya Cossipore</i> 9.6 CGPA	2012

PROJECT & TECHNICAL EXPERIENCE

INTERNSHIP: MITSUBISHIPLC (QSERIES) & HMI (GSSERIES)

- Introduction to PLC, Ladder Diagram
- Functional Block Diagram (FDB)
- Human Machine Interface (HMI)
- Industrial Project on Car Parking Management System

INTERNSHIP: EASTERN RAILWAY (SEALDAH DIVISION)

- Types of Generation Mechanisms in Trains
- Types of Coaches
- Power Scheme of Rajdhani
- Power Scheme of Non-AC Coaches
- Sealdah Power House HT and LT Schemes

PROJECT: CAR PARKING MANAGEMENT SYSTEM

- Automatic Car Parking System using PLC and its visual representation using HMI.

PROJECT: REGENERATIVE BREAKING IN DC MOTOR USING CHOPPER

- Regenerative Breaking of DC motor Four Quadrant DC chopper Drive using PI Controller in MATLAB

CERTIFICATES

Basics of C++ with Data Structures and Algorithms , <i>Coding Ninjas</i>	Feb 2022 – Ongoing
Master Program in Cyber Security , <i>Simplilearn with EC-Council & MIT Schwarzman College of Computing</i>	Aug 2021 – Jan 2022
Faculty Development Programme on “Modern Trends in Manufacturing Processes and Control Techniques in Renewable Energy System” , <i>Department of Mechanical Engineering, National Institute of Technology Delhi</i>	16 Nov 2021 – 21 Nov 2021
Prime Minister’s Scheme under Nation Defence , <i>Prime Minister of India, Narendra Modi</i>	2015 – 2019

SKILLS

Tools and Languages	C, C++, WordPress
Quantitative Research	MATLAB, Proteus, PSpice
Communication	English, Hindi, Bengali

ACTIVITIES

IEEE PIICON 2022 Web Page Designing	Feb 2022 – Present
IEEE NIT Delhi Coordinator	Oct 2021 – Present
IEEE NIT Delhi Volunteer (Web Developer)	Sep 2021 – Present
IEEE NIT Delhi Web Page Designing	Nov 2021 – Feb 2022