

SEJAL SINGH

E&TC Undergraduate

SKILLS

- **Programming Languages:** C, Python, ASM 8085, Verilog, SQL
- **Simulation Tools:** Xilinx Vivado & SDK, Xilinx System Generator, ANSYS, MATLAB, Simulink, Proteus Design Suite, LTspice, EasyEDA

EXTRA-CURRICULARS

- Delegate to Russia under **Youth Delegation Program 2019** by Ministry of Youth Affairs and sports, Govt. Of India.
- Participated in **Production-Oriented Theatre Workshop** under **NANDIKAR**.

CERTIFICATIONS

- **VSD- Static Timing Analysis**
May '20
UDEMY
- **Fabrication Techniques for MEMS-Based Sensors: Clinical Perspective**
July '18- October '18
IISC Bangalore, NPTEL
- **Introduction to programming with MATLAB**
January '18 - February '18
VANDERBILT UNIVERSITY
COURSERA
- **SOFT SKILLS**
July 2017- October 2017
IIT, ROORKEE , NPTEL

CONTACT

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EDUCATION

B.Tech, Electronics & Telecommunication Engineering **2016 – 2020**
Indian Institute of Engineering Science and Technology, Shibpur
CGPA : **9.24**

Senior Secondary, CBSE **2016**
RSVM, Dhanbad **95.4 %**

Secondary, CBSE **2014**
KGSS, Jharia **10 CGPA**

EXPERIENCE

Computational Study on ZnO Nano-structures **August '19 – June '20**
FINAL YEAR PROJECT
Location : **IEST Shibpur**

Design and Development of micro-ECM pulsed power supply unit **May '19 – July '19**
SRFP FELLOW + RESEARCH INTERN
Indian Science Academies' Research Program
Location : **IIT Guwahati**

Hardware and Software Implementation of Canny Edge Detection Algorithm **June '19 – July '19**
PROJECT WORK
Location : **IIT Guwahati**

Design of MEMS DEVICES (Tip Tilt Mirror) **May '18 – June '18**
SUMMER INTERN
Location : **SSPL (DRDO)**

POSITIONS OF RESPONSIBILITY

Web Content Writer, Instruo **July '17 – June '19**
The Annual Technical Fest, IEST Shibpur

Coordinator, Quizmaniac Beings **August '17 – June '20**
The Quizzing Club, IEST Shibpur

Treasurer, Les Thespians **August '17 – July '18**
The Dramatics Society, IEST Shibpur

ACCOLADES

2019 - Indian National Academies' Fellowship | **IAS-NASI-INSA**

2018 - Finalist at Indian Case Challenge (amongst top 15 out of 350 teams)
ICC, Kshitij (IIT KGP)

2016 - Received Certificate of Merit for Applied Arts | **CBSE**

2014 - Second Runner up at state level model presentation
(Prantiya Gyan Vigyan Mela) | **Vidya Vikas Samiti Jharkhand**