Lakshay **Bhatia**

Electrical and Electronics Engineer

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Education

Bharati Vidyapeeth's College of Engineering — *Paschim Vihar, New Delhi, India*

B.Tech in Electrical and Electronics Engineering — *August 2017 - Present*

CGPA - 8.4

Neo Convent Senior and Secondary School — *Paschim Vihar, New Delhi, India*

CBSE - AISSCE — *March 2017*

CGPA - 9.6

Work Experience

3ST Technologies Pvt. Ltd. — *Noida, India*

Trainee, VLSI — *Feb. 2019 - August 2019*

- Part of a Industry Standard learning phase.
- Used Linux and Shell Scripting to automate the tasks and access various directories and features of the operating system.
- Implemented various logic problems using Digital Electronics.
- Modelled the generated hardware in Verilog and verified it by constructing various test benches.
- STA - Static timing analysis of the code and preventing simulation synthesis mismatch.

3ST Technologies Pvt. Ltd. — *Noida, India*

Trainee, Embedded Systems — *June 2018 - July 2018*

- Constructed various prototypes using the embedded systems architecture.
- Implemented Real time projects using embedded systems design.
- Interfaced LCD and various other sensors to the microcontroller in Embedded C.

Technical Projects

Nutty Squirrel, Jan. 2019

Maze Solving Robot

- Automated Robot that uses dijkastra algorithm to find the shortest path of a maze using Atmega 2560 microcontroller, color sensor, ultrasonic sensor.

Smart Grid, Oct. 2018

Sustainable Development

- Implemented a load shedding and load balancing system that monitors real time data using PLC and SCADA

LFR (Line Following Robot), Nov. 2017

Hackathon

- Built a robot that follows the given printed line with the help of arduino microcontroller and infrared sensors.

Technical Skills

Programming Language

Embedded C, C, C++, Matlab & Simulink,

Scripting Language

Python, BASH Shell,

Hardware Description Language

Verilog,

Hardware

Arduino, Raspberry Pi, Intel FPGA, Xillinx FPGA,