



Somesh Sangwan

Bachelor of Technology
in Electrical Engineering
Indian Institute Of Technology, Ropar

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GitHub | Website
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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	7.41 (Till 6th Sem)	2019-2023
Senior Secondary	RBSE	89.60%	2018
Secondary	RBSE	92.50%	2016

EXPERIENCE

The Spark Foundation

oct 2021 - Nov 2021

Data Analyst- (WFH)

- I performed 'Exploratory data Analysis' on dataset 'SampleSuperstore'. I found here weak areas and business problem as well as some tips of work to make more profit. This was amazing task and i learned a lot of there

VCE

june 2022 - Aug 2022

Core Intern - Bihar, India (WFH)

- understand and analysis the technical and commercial benefits of electrical vehicles and do case study analysis for the success of electric rickshaw in India and then need to focus on the possibilities for other EV in India for next decade 2021-2030.

PROJECTS

• Weather Check Website

July 2022

Html,javascript, css technologies

website

- Developed a responsive weather website using an API to get the weather information of different cities.
- User can search any city to know its weather information.

• Image Compression using Huffman Coding

April 2022

C++

Github

- Designed a program to generate an optimal prefix code from set of probabilities which is further used to reduce the average code length resulting in decrement of the overall size of image.
- Reading files through Data file Handling , Compression using Huffman Coding. Data structures and C++ language are used

• Smart Parking management system

Jan 2022 - May 2022

Dr. Ashwani Sharma IIT ROPAR

- Designed a parking management system that captures stray ambient energy by using a rectenna tuned to 5.8 MHz.
- Presented a functioning model of the parking management system at IIT Ropar on the occasion of National Technology Day 11 May 2022.

• Others

May 2022

Data Structure and Algorithms Based Project

- Personal Portfolio:-** represents my professional information and shows my designing skills as well **Website**
- Sudoku Solver:-** Implemented Sudoku Solver Game using html, css. **Github**
- Shortest Path Finder:-** Implemented Shortest Path Algorithms Using React. **Github**

TECHNICAL SKILLS

- Programming Languages:** C/C++, Python,SQL,JavaScript
- Developer Tool:** VS Code, Jupyter Notebook, MySQL , Matlab , PSpice , HFSS , LT Spice
- Others:** Machine learning, Html ,Css ,Window,Github

KEY COURSES TAKEN

- CSE & Maths:** Data Structure & Algorithms, Design & analysis of Algorithms, OPDS concept , DBMS, Probability and Statistics, Differential Equations
- EE Core:** Basic Electrical Engineering , Digital Circuits , Signals and Systems,Communication Engineering ,Power system , Power electronics, Engineering Electromagnetics

POSITIONS OF RESPONSIBILITY

- Member,**Event Organising Team, Zeitgeist 2k19
- Member,**NSS IIT ROPAR

October 2019

July. 2019 - present

ACHIEVEMENTS

- Publicis sapient,**Selected in Jumpstart 2022 program which is organised by publicis sapient
- Tech Day,** Got 4th Position in entire UG and also Won a cash reward .
- Jee Advanced,** Among top 0.45% students in JEE Advanced 2019(selected through JEE Main 2019).
- Coding profile,** GFG , Leetcode , InterviewBit , HackerRank