# SHALINI SAINI  |  18CS60R47

## COMPUTER SCIENCE AND ENGINEERING

## EDUCATION

| Year | Degree/Exam | Institute | CGPA/Marks |
|------|-------------|-----------|------------|
| 2020 | M.TECH | IIT Kharagpur | 6.09 / 10 |
| 2018 | B.TECH (Computer Engineering) | G.B. PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY | 6.725 / 10 |
| 2013 | INTERMEDIATE EXAMINATION | BOARD OF SCHOOL EDUCATION UTTARAKHAND | 83% |
| 2011 | HIGH SCHOOL EXAMINATION | BOARD OF SCHOOL EDUCATION UTTARAKHAND | 76.8% |

## INTERNSHIPS

### Practical Training(DRDO)

*Guide : Manoj Kumar Dhaka(Scientist-'G'), DRDO Dehradun*

Developing an Android Based Digital Register Application.The task was to develop an Android application for registering the information of employees of DRDO, data once registered was uploaded to the servers, which can later be accessed with the help of this application.

## PROJECTS

### MTech Thesis : Quantum Error Correction

*Guide : Prof. Indranil Sengupta*

Fault-Tolerant Mapping for Reliable Quantum Operations.
The objective is to design and map Quantum circuits for Fault-Tolerant computations.

### Interface between Chain of Proteins

*Guide : Prof. Pralay Mitra*

Finding the interface between the protein chain using 3D Alpha shapes of protiens and Computational Geomentry Algorithm Library.

### Multiple Client-Server Chat Application

*Guide : Prof. Niloy Ganguly, IIT Kharagpur*

Developing a peer to peer chat application in C using sockets having different features like unicast, multicast, broadcast, group formation, adding a member in a group as per request of member and with the permission of group admin etc.

### Sentiment Analysis of Movie Reviews

*Guide : Prof. Animesh Mukherjee, IIT Kharagpur*

The task was to analyse the sentiment of a movie review from IMDb reviews dataset. Experimented with various deep learning architectures and embedding techniques. Libarires like pytorch and sklearn were used.

## COURSEWORK INFORMATION

Artificial Intelligence  |  Machine Learning  |  Advanced Microprocessor Based Systems  |  High Performance Computer Architecture  |  Geographical Information System

## SKILLS AND EXPERTISE

**Programming Languages** : C, C++, Python(Basic), Java(Core)
**Libraries** : NumPy, PyTorch
**Miscellaneous** : NoSQL,SQL, Android
**Area of Interest** : Programming and Data Structure, Machine Learning,  Computer Architecture,  Microprocessor Based System, Artificial Intelligence

## AWARDS AND ACHIEVEMENTS

Secured **5th rank** in Intermediate Board Examination at State Level.

Secured **AIR 213** in GATE(2018).

## POSITIONS OF RESPONSIBILITY

### Teaching Assistantship

Currently working as a Teaching Assistant of Programming and Data Structures Course.

## EXTRA CURRICULAR ACTIVITIES

Participated in Inter-Hall **Lawn Tennis** Competition conducted at IIT Kharagpur.
Participated in Online Coding Test coducted by **LORD OF THE CODE** Society.
Participated in **MASS AWARENESS CAMPAIGN AGAINST CANCER** conducted by **CARING SOULS FOUNDATION** at school level.

!self declaration by the student