

EDUCATION

Sant Longowal Institute of Engineering and Technology | Bachelor of Technology in Electronics and Communication Engineering|2021| CGPA: 7.5/10

EXPERIENCE

DEEPLARNING INTERNSHIP | TATA CONSULTANCY SERVICES | PRESENT

- Working on FACTS (Fingerprint Analysis Criminal Tracing System) is product which deals with Finger prints.

PROJECTS

[GITHUB](#)

SMART INDIA HACKATHON 2020 ISRO	Project1	Dec 2019 – Aug 2020
<ul style="list-style-type: none">Developing an algorithm to detect clouds in INSAT3D and INSAT3DR satellite images and predict the location of cloud in subsequent images. linkAlgorithm Used: -Optical flow Algorithm (Horn and Schunk (HS)) , ConvLSTM		
Classify the Lunar Rocks	Project2	Aug 2019 – Oct 2019
<ul style="list-style-type: none">Successfully Completed Machine Learning A-Z course from Udemy and Built a CNN based project using Keras to classify different types of rocks in lunar rock image datasets. link		
E-Yantra -A Robotic Competition IITB	Project3	Oct 2018 - March 2019
<ul style="list-style-type: none">Built a Pick & Place Line Follower Bot that could carry objects from one place to another using the shortest path in the given Arena. (team id-eYRC#1215).task1 link, task2 linkAlgorithm Used: - Dijkstra Algorithm.Integrated Development Platform: - Atmel Studio (Language C++)Hardware: - Atmega 2560, STK 500, IR Sensor, Proximity Sensor, LCD display, DC Motor, L293D		
Control System	Project4	Oct 2019 – Nov 2019
<ul style="list-style-type: none">Implemented Pole Placement Controller and the LQR controller on Different Type of physical System.GNU Octave. link		
Android App Development Training	Project5	June 2018 -July 2018
<ul style="list-style-type: none">Successfully Completed Training on Android App Development and Built an android app to post articles with some pictures using Realtime database and backend as a service (FireBase), Java as backend and XML frontend.IDE: - Android Studio		

LANGUAGES AND TECHNOLOGIES

- Programming Languages** – C++, Python
- Competitive Programming** – Codechef (amrit5,4★), Codeforce (Id-Dontgiveup20, Expert), Hackerrank(amrit5,6★)
- Machine Learning**
- Computer Vision**
- Robotics** –Atmega 2560, Arduino, V-Rep, Atmel Studio, MATLAB
- Android App Development** –Java, XML, Fairbase
- Node Js** (Basic)

ACHIEVEMENTS AND RESPONSIBILITIES

- techFest -20 SLIET** Core committee member.
- Socialfest-19 SLIET** Member of web development and cyber cell.
- SSDC** (SLIET Software Development Club) Problem setter for Competitive Programming Event.
- Qualified Snackdown 2019 up to 2nd stage
- Techfest SLIET 2nd runner up in Hovercraft Event.
- SCALER discovery challenge (College Rank 1)
- SIH19&20 (Smart India Hackathon) grand finalist.
- Captain of Girls Chess team SLIET
- Taekwondo green belt
- Member of robotics club SLIET