

# KOMAL SAINI

Engineer ( ECE)

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## WORK EXPERIENCE

### Project Associate NIELIT Kurukshetra

07/2022 - 07/2023

Kurukshetra

#### Achievements/Tasks

- Reviewed website content and pages regularly for accuracy and functionality, ensuring an optimal user experience.
- Engaged students through interactive lectures and discussions, fostering an inclusive learning environment. Taught web development, Python, IoT, and AI/ML, empowering students with essential technical skills.
- Collaborated on various research projects with the central government of India, actively participating and taking a leadership role in different tasks.
- In charge of coordinating various government exams conducted at NIELIT, demonstrating strong organizational and administrative skills.

## EDUCATION

### M.Tech (ECE)-90.0%

University Institute Of Engineering And Technology, Kurukshetra University

08/2020 - 08/2022

#### Courses

- Thesis in Covid- 19 Detection from chest X-Ray using Deep Learning.

### B.Tech (ECE)-84.5%

University Institute Of Engineering And Technology, Kurukshetra University

08/2016 - 08/2020

### 12th ( Non- Medical)-88.8%

Kendriya Vidyalaya No.3 Ambala Cantt

04/2016

### 10th-91.2%

Kendriya Vidyalaya No.3 Ambala Cantt

04/2014

## SKILLS

IOT

HTML

CSS

JavaScript

Python, Python Libraries

C++

Artificial Intelligence/ Machine Learning

Problem solving, Web Designing, Creativity, Learner

## PERSONAL PROJECTS

### Covid-19 Detection from chest Xray using Deep Learning

- A Model is built that is able to detect covid disease from a person's chest X-Ray image.

### Face mask detection using python

- This system is able to detect mask in real time with accuracy. Published a paper on this as well.

### Character recognition using ANN

- This is a technique of alphabetic and numeric character recognition using ANN(Artificial Neural Network). It is implemented through MATLAB. For output ANN is trained using weights

### Face Recognition

- Was a key player in developing a program using C and C++ in Linux and presented that in National Conference & Exhibition on Emerging & Innovative Trends in Engineering Technology, in GCET Jammu

### Radar System using Arduino and ultrasonic sensor

- This system can detect the presence of an object in a field and show its position on screen.

## ACHIEVEMENTS

### Project Associate In NIELIT Kurukshetra

From July 2022- July 2023

### Designed my own Website portfolio

[https://capkomal.github.io/My\\_Portfolio/](https://capkomal.github.io/My_Portfolio/)

### Wrote paper on Covid-19 Detection from chest X-ray using Deep Learning

In International Conference on Emergent Converging Technologies and Biomedical Systems ETBS 2022

### Logger- Attendance System at National Conference & Exhibition on Emerging & Innovative Trends in Engineering Technology

Participated in this exhibition held at Govt College Of Engineering And Technology, Jammu.