

KOMAL SAINI

Engineer (ECE)

<https://www.linkedin.com/in/captainkomal/>



komalsaini184@gmail.com

8168493067

AMBALA, India

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 X-ray using Deep Learning

- A capable model has been developed to identify COVID-19 infection from a person's chest X-Ray image.

Face mask detection using python

- The system demonstrates real-time, accurate mask detection and has been documented in a published paper.

Character recognition using Artificial Neural Network

- This technique involves the recognition of alphabetic and numeric characters using an Artificial Neural Network (ANN), which is executed using MATLAB. The ANN is trained with weights to produce the desired output.

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

- The system is capable of identifying the existence of an object within a given area and displaying its location on the screen.

ACHIEVEMENTS

Project Associate In NIELIT Kurukshetra

From July 2022- July 2023

Designed my own Website portfolio

https://capkomal.github.io/My_Portfolio/

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

Authored a paper on the utilization of Deep Learning for detecting Covid-19 from chest X-rays. Presented this work at the International Conference on Emergent Converging Technologies and Biomedical Systems (ETBS) in 2022

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

Collaborated in the creation of the Logger-Attendance System, which was showcased at the National Conference & Exhibition on Emerging & Innovative Trends in Engineering Technology. Engaged as a participant in this exhibition, which took place at Govt College Of Engineering And Technology, Jammu, in partnership with IIT Kharagpur.