KOMAL SAINI

Engineer (ECE)

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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 Tecnology, 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 Tecnology, 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/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 Enginerring And Technology, Jammu.