

Kalpna Prajapati

📍 Uttarakhand ✉ kalnaprajapati2004@gmail.com ☎ 7906915169

in Kalpna Prajapati 🌐 kalnaprajapati

Education

COER University, Roorkee

August 2023 – July 2027

B.Tech in Computer Science

- GPA: 9.55/10
- **Coursework:** Design analysis of algorithms, Data Structures, Computer Organization and Architecture, Software Engineering, Cyber Security, Automata, Programming Languages.

Experience

Summer Intern

Banglore, Karnataka

Teachnook (Techspace online learning services pvt ltd)

(Mode-Online)

July 2024 – Oct 2024

- It was an incredible experience to be trained in the domain of IOT and robotics.
- Created projects using Arduino and Raspberry pi and hardware syncs with software to create ideas into reality.
- Designed self-autonomous cars and Otto Robots, learned about how a drone works.

Python Programming Intern

Kolkata, West Bengal

CODSOFT

(Mode-Online)

June 2024 – July 2024

- Designed a Screen Recorder, Voice Recorder
- Learnt how to build games using Python Graphic Libraries like - pycharm, turtle, tkinter
- Designed Message Encoder and Decoder x64.
- Hospital Management app using Python with MySQL

Graphic Designing

COER University

DCODERS SQUAD

July 2024 – Present

- Member of DCODERS SQUAD (Multiple Clubs in CSE department at COER University), serving as a Leader of Graphic Designing Club, Designed Numerous Posters and Videos.

Member- COER INCUBATION CENTER

COER University

Atal Tinkering Lab

July 2024 – Present

- Member of the Student Management Committee of the Atal Tinkering Lab (under the Department of Training and Skills). Here I am learning about Startups, Robotics, and IOT more deeply.

Projects

Ninja Hattori Endless Run Game (2023-2024)

- A game based on Python in which no actual graphics is used to design character and maps and worlds but the text is used which makes it run on Command Prompt.
- Tools used: Notepad, Python, CMD

A 4 in 1 Robo Car (2024-2025)

- IOT based hardware model which is designed as a prototype of future cars and provides certain features like: Auto-obstacle Avoiding, Auto-Driving, Line Following, Remote Controlled, Voice Controlled
- Tools Used: MIT App inventor, Arduino IDE and Hardware Components

Fire Fighter Robot (2025-2026)

- An advanced IOT based robot wheels, designed for auto-fire detection and taking relevant action in alarming situations.

- Tools used: Arduino, Hardware components

Languages and Skills

Technical Languages: C, C++, Python, HTML, CSS, JavaScript, MySQL, Arduino IDE, Unix OS

Languages: Hindi, English

Publications

Title-Enhancing Recognition of Hand-Drawn Flowcharts, Symbols using LLM

May 2025

Bipeen Ranjan, ***Kalpna Prajapati***, Indu Rani, Jatin Kumar, Harshit Kumar, Echchha Vats

Which is recently accepted at Teerthanker Mahaveer University, Moradabad, India at International Conference on Modern Trends in Computers and Electronics (ICMCE-2025), under the guidance of Mr. Kamal Kumar Gola (Prof. at COER University, Roorkee)