

- Coordinating with a team of 40+ students to work towards a common goal.
- I developed and designed websites for multiple clubs within my college to improve their online presence and facilitate communication with members and the wider community.
- I created an application for college students who stay late for work, which automatically generates permission letters and generates PDF files to streamline the process and provide a convenient solution for obtaining necessary approvals.

# PRAGYA SHARMA

Computer Science Undergraduate

## PARTICIPATIONS

- Attended various ideation and problem solving workshops.
- Participated in Mindkraft, a National level Techno-Management fest.
- Attended various Hackathons and Study-Jams.

## ACHIEVEMENTS

- Received Merit Scholarship in the University worth 40,000 INR
- Received 'All-Rounder Student award' in school .
- I am honored to have been appointed as the Vice Head Girl of the school.
- I secured the third prize in MindKraft '24.
- I secured the first prize in final year major project on "Water treatment plant working model ."

## CERTIFICATION

- Build your first process with UI Path Studio.
- Explore Automation Development with UiPath Studio.
- Introduction to Automation with UI Path Studio.
- Networking Basic with CISCO
- Java Programming Fundamentals
- Introduction to Soft Skills.

## OTHERS

### Programming Languages:-

C, C++, MATLAB, Embedded C, Python

### Softwares:-

Autodesk Simulation Mechanical. Microsoft Office,

LabVIEW, AutoCAD, EAGLE, TinkerCAD

### Skills:-

critical Thinking, Leadership, Problem Solving, Communication, Research, Networking, Teamwork, Strategic Planning, Graphic Designing

## PROJECTS

### • Intrusion Detection System Using AI And Data Analytics

In this project I aimed to develop a sophisticated system that leverages AI and data analytics to detect and prevent unauthorized network access. The system analyzes network traffic patterns to identify suspicious activities and alert administrators. By using AI and data analytics, the project seeks to improve the efficiency and accuracy of intrusion detection, reducing false positives and false negatives. This approach is expected to enhance the overall security of computer networks through real-time monitoring and detection capabilities.

### • ChatBox Using Java

In this project I aimed to develop a system that utilizes AI and data analytics to detect and prevent unauthorized network access by analyzing traffic patterns, identifying suspicious activities, and alerting administrators. The project seeks to enhance intrusion detection efficiency, reduce false positives and negatives, and improve overall network security through real-time monitoring capabilities.

### • AI Based Self Driving Car Simulator

I have creating a virtual environment for testing and refining autonomous driving algorithms using advanced AI technologies. By leveraging AI, machine learning, and computer vision like CNNs, the simulator enables rapid testing of self-driving capabilities in diverse scenarios. It aims to provide a safe, cost-effective platform for refining algorithms, testing driving behavior, and enhancing the safety and reliability of autonomous vehicles.

### • Portfolio Website

The Portfolio Website project has enabled me to create a professional online platform that serves as a digital resume, showcasing my talents, achievements, and personal brand. By featuring project showcases, skills highlights, an about me section, and clear contact information, my website enhances my online visibility and professional reputation. Through regular updates and a focus on design and user experience, my portfolio website has become a powerful tool for demonstrating my expertise and making a lasting impression in the digital realm.

### • Late Stay Permission Letter Generator

I have developed a project where I created an automated PDF maker using Node.js. The main objective is to provide an online generator for students staying in college for any work-related purpose. Students may require a permission letter for staying late in college, so I have created an online platform where they can input details such as registration number, name, and reason for staying late. The platform automatically generates a permission letter in PDF format with a signature, allowing users to download the PDF.

### • Website For E-Cell Club

I have developed a website for my college E-Cell club using WordPress. The website serves as a platform for the club to showcase its activities, events, and achievements. It provides a centralized hub for members to access information, share updates, and collaborate on projects. The website is designed to be user-friendly, visually appealing, and easy to navigate, ensuring that visitors can quickly find the information they need.

### • Developing an Intelligent Student Shortlisting System for College Placements

The online platform for the college placement cell serves as a centralized hub for students to create profiles and input relevant details. The platform analyzes this data using predefined algorithms to shortlist students based on placement criteria. This streamlines the placement process, saving time and resources. Additional features include resume builders, interview preparation resources, and communication tools to enhance the overall placement experience for both students and the placement cell team.