SAGAR SINGH RAWAT

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Education

Graphic Era Hill University　　**August 2023 – May 2027**
Bachelor of Technology in Computer Science and Engineering　　*Uttarakhand*

Relevant Coursework

- Data Structures and Algorithms
- Database Management
- Artificial Intelligence
- Object Oriented Programming
- Data Science

Projects

Drowsiness Detection System | *Python, OpenCV, DLib, Scipy*　　**January 2025 - Feburary 2025**

- Advanced Drowsiness detection system aimed to prevent road accidents caused by driver fatigue.
- Utilizes Eye Aspect Ratio(EAR) and head posture to accurately identify signs of drowsiness with 95% accuracy
- Immediate Alerts: Triggers an alarm if the EAR drops below a predefined threshold and increase Drowsy Count for feedback.
- Multiple assessments under various scenarios ,demonstrated an accuracy level of 92% ensuring effective monitoring.

Gym Website | *HTML, CSS, Javascript, Python(Flask), MySQL*　　**November 2024 - December 2024**

- Built a gym website using HTML, CSS, JavaScript, and Python (Flask), showcasing features, packages, facilities, and trainers.
- Incorporated a contact form with MySQL to store user details like name and phone number, enabling efficient lead management.
- Designed a responsive, user-friendly interfaces.

Intershala Automate | *Python(Selenium)*　　**August 2024 - October 2024**

- Developed a Python program using Selenium that automates logging into Internshala using user credentials, searches for relevant job fields, and applies to vacancies on behalf of the user.
- Enabled automatic resume upload and allowed users to input email, password, desired field, and company message, personalizing the job application process.
- Streamlined job applications by automating repetitive tasks, saving users significant time and improving productivity.

Technical Skills

Languages: Python, Java, C, C++ , HTML, CSS, JavaScript, SQL
Developer Tools: VS Code, MySQL , Github
Technologies/Frameworks: WordPress , OpenCV , Dlib , Flask , Pandas , Selenium , OpenAI , Scipy

Experience

GYM Website　　**November 2024 - December 2024**
Team Leader　　*Graphic Era Hill University*

- Led a team of 3 peers to successfully develop a gym website. Managed the project's structure, timelines, and presentation.
- Designed and implemented the MySQL database structure, integrated with Flask, enabling smooth handling of 100+ users records and dynamic content updates. Reduced database query time by 20% through optimization.
- Developed and blended a contact form that captured 200+ leads within the first two weeks, allowing users to submit their details for direct communication with gym management. Increased user engagement by 15%..
- Authored a comprehensive project report that outlined the website's architecture, functionalities, and backend processes, facilitating internal knowledge transfer and ensuring a smooth project handover

Achievement/Extracurricular

- Solved 300+ questions on various coding platform with above 100 on leetcode.
- Active Member of WeCode Club with lots of participation in club activities.
- Strong public speaking and networking skills.
- Participated in multiple hackathons.

Passion

- Enjoy cooking as a creative outlet, discovering new flavors, and experimenting with ingredients to make delicious meals.