

PRATEEK TANWAR

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Motivated and enthusiastic B.Tech graduate with a specialization in Web Dev, AI & ML. Solid foundation in technical concepts, problem-solving skills and practical application gained through coursework, internships and hands-on projects. Demonstrated ability to quickly grasp new technologies, troubleshoot technical issues, and collaborate effectively with cross-functional teams. Eager to contribute to a dynamic organization and leverage my skills to drive technological advancements. Seeking a challenging position to utilise my technical expertise and contribute towards the success of an innovative organization.

Experience

IT Intern at [Hero MotoCorp](#)

July/2023-Present

- Working on IT project planning and execution, collaborating with team members to achieve project goals and timelines.
- Working closely with the senior team members of data scientists and engineers on the development of the "[Smart Eye](#)" project, leveraging machine learning techniques for vision-based & object detection applications.

Web Development & Designing Intern at [The Sparks Foundation](#)

May/2023-June/2023

- Assisted in the design and development of responsive and visually appealing websites using HTML, CSS, and JavaScript, ensuring a seamless user experience across different devices.

Machine Learning Intern at [Feynn Labs](#)

February/2023-April/2023

- Performed AI product/service prototyping for small businesses, leveraging machine learning algorithms to enhance operational efficiency and customer experience.
- Conducted market research and data analysis to identify trends and patterns, enabling large-scale predictive market segmentation and Financial Modelling using machine learning techniques.

Graphic Designing Intern at [Aashman Foundation](#)

January/2023-March/2023

- Collaborated with the design team to create visually compelling graphics, illustrations, and layouts for various marketing materials, including brochures, flyers, social media posts, and website banners.
- Assisted in conceptualizing and developing creative design concepts, aligning with the identity and objectives of the organization.

Academic Tutor at [Dudar Edtech Pvt Ltd.](#)

October/2022-April/2023

- Successfully taught and mentored 200+ students of 10th-12th grade, JEE Mains, and NEET through live online sessions and provided personalized academic support and guidance to students, assisting them in clarifying doubts, solving problems, and reinforcing learning.
- Conducted 500+ engaging and interactive online live sessions, delivering comprehensive subject matter expertise and guidance to students using effective teaching methodologies and techniques to explain complex concepts, ensuring a thorough understanding among students.
- Developed tailored lesson plans and study materials to address the specific learning needs and goals of individual students.

Skills

- C++
- HTML
- Bootstrap
- Data Structures
- Figma
- Python
- CSS
- React.js
- Algorithms
- SDLC
- Java
- JavaScript
- MySQL
- Machine Learning
- MS Excel

Education

- **Maharshi Dayanand University** 2020-2024
 - B.Tech in Computer Science Engineering with specialization in Artificial Intelligence and Machine Learning
 - GPA:- 8.8/10
- **Blue Bells Public School (C.B.S.E)** 2019-2020
 - Higher Secondary (PCM, CS)
 - Percentage:- 96%/100

Projects

Driver's Drowsiness Detection System Using Machine Learning [Link](#)

- Developed and implemented a real-time driver drowsiness detection system using machine learning techniques to enhance road safety and prevent accidents caused by drowsy driving.
- Employed machine learning algorithms, such as Haar Cascade, dlib, OpenCV for Object Detection and Facial Landmark Detection, to extract relevant features from the driver's face and eyes for drowsiness detection and alert him with a beep sound plus capture its image and store it into database.
- Tech Stack used:- Python, OpenCV, dlib, SQL, Machine Learning

CloudChaser Weather React App [Link](#)

- The app is developed using React.js which fetches and displays up-to-date weather data using the OpenWeatherMap API, providing accurate real-time weather information for various locations around the world.
- Tech Stack used:- HTML, CSS, JavaScript, React.js, Netlify, API

WhatsApp Chat Portfolio [Link](#)

- Designed and developed a web-based chat application with a user interface similar to WhatsApp, providing a platform to showcase a portfolio with all details in interactive demonstrations.
- Tech Stack used:- HTML, CSS, JavaScript

AI Virtual Keyboard [Link](#)

- Implemented an AI-powered virtual keyboard system that allows users to type on the screen by simply moving their fingers.
- Utilized computer vision techniques to track and analyze finger movements and gestures in real-time using a camera input.
- Tech Stack used:- Python, OpenCV

Certificates

- C++ Programming (Issued By- Coding Ninjas) [Link](#)
- Java Programming (Issued By- Coding Ninjas) [Link](#)
- Data Structures & Algorithms (Issued By- Coding Ninjas) [Link](#)
- Python Programming (Issued By- IIT Bombay) [Link](#)
- C Programming (Issued By- IIT Bombay) [Link](#)
- JavaScript (Issued By- HackerRank) [Link](#)
- SQL (Issued By- HackerRank) [Link](#)
- R Programming (Issued By- Coursera) [Link](#)
- Machine Learning (Issued By- Coursera) [Link](#)
- Data Analytics and Visualization (Issued By- Accenture) [Link](#)
- Fundamentals of Digital Marketing (Issued By- Google) [Link](#)

Professional Activities

- Participated in the International Conference on "Computing for Sustainable Global Development," organised by BVICAM, New Delhi on 15-17 March'23. [Link](#)
- Participated in the Mined National Level Hackathon. Collaborated closely with teammates to brainstorm innovative solutions and strategies to address the problem statement provided by JK Lakshmi Cement. Successfully developed and presented the solution to a panel of industry experts and judges, effectively communicating the problem statement, approach, and key features of the developed solution. [Link](#)