Amit Singh Rajawat

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Madhav Institute of Technology & Science, Gwalior

in Linkedin

○ Github

Ⓜ Medium

⊕ Website

EDUCATION

- **Bachelor of Technology in Information Technology (Artificial Intelligence & Robotics)** *Aug. 2020 - July 2024*

  Madhav Institute of Technology & Science, Gwalior CGPA: 8.83

  – Courses: Database Management System, Machine Learning and Optimization, Operating System, Probability and Random Process, Computer Networks,Robotics System and Control.

TECHNICAL SKILLS

Programming: C/C++ (Proficient), Python(Proficient), JavaScript
Web Development: HTML, CSS, PHP, MySQL, Express.js, Node.js, React.js, Socket.io.
Tools and Libraries: Latex, Git, Github, Linux, Pandas, Numpy, TensorFlow, Scikit-learn, OpenCV

EXPERIENCE

- **ML Research Intern** *May - July 2023*

  Madhav Institute of Technology & Science, Gwalior Gwalior, India

  – Collaborated with the faculty, conducted experiments, analyzed data, and refined models to improve the accuracy on real-world projects.

  – Wrote Research Papers on Iris flower species and Face monitoring system and publish them in an IEEE Conference.

RESEARCH WORK

- **Categorization of IRIS Flower using Different Machine Learning Strategies** (Link)
- **Design and Analysis of Programmed Face Monitoring System** (Link)

PROJECTS

- **Rainfall Prediction Using ML (Link)**

  Utilizing machine learning to forecast rainfall patterns with enhanced accuracy.

  – Created a machine learning model for accurate rainfall prediction, enhancing planning in agriculture, water resource management, and disaster preparedness sectors, documenting methodology, model performance, and potential applications.

- **Movie Recommendation System Using ML With GUI (Link)**

  Creating a user-friendly movie recommendation system empowered by machine learning and a graphical user interface.

  – Developed a machine learning-based movie recommendation system that uses user preferences and movie features to provide personalized recommendations. It used collaborative filtering algorithms and recommendation models, and underwent extensive data preprocessing and model evaluation for improved performance.

- **Novel Engaging Course Project - Live Project (Link)**

  A live project that captivates through originality and hands-on experience under the guidance of Mr. Atul Chauhan.

  – The project, a first-of-its-kind initiative in Madhya Pradesh, was developed and deployed as part of the curriculum, aligning with the National Education Policy's objectives. Over 1.5 years, it attracted thousands of learners, creating a dynamic and interactive learning environment.

- **Multiplayer Pong Game (Link)**

  Dynamic gaming experience: Engage in multiplayer excitement with a classic Pong game.

  – The project showcased proficiency in web development, real-time communication, and interactive user interfaces, creating an engaging multiplayer Pong game using socket.io, HTML, CSS, Node.js, and JavaScript, and integrating APIs for seamless data exchange and dynamic gameplay.

ACHIEVEMENTS

- ***Leetcode*** 550+ Problem solved & 1765+ Rating (Profile Link), ***GFG*** 320+ Problem Solved (Profile Link), ***Hackerrank*** 5 star at Sql and cpp (Profile Link).