** Diwan Singh Chauhan**

**Data Scientist** Contact :- 7579095768

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[LinkedIn](https://www.linkedin.com/in/diwansinghchauhan/) :- linkedin.com/in/diwansinghchauhan/

[GitHub](https://github.com/diwansinghchauhan) :- github.com/diwansinghchauhan

[Portfolio](https://diwansinghchauhan.github.io/portfolio/) :- diwansinghchauhan.github.io/portfolio/

Seeking a position as a Data Scientist where I can utilize my analytical skills and knowledge of statistical methods to extract insights from data, contributing to informed decision-making. Committed to applying machine learning algorithms and data visualization techniques to solve real-world problems effectively.

***Objective***

***Academic Credentials***

## Master of Technology in Data Science (pursuing)

Defence Institute of Advanced Technology, Girinagar, Pune 2023-Present

## M.Tech. (Metallurgical and Materials Engineering)

IIT ROORKEE (2014-16) with 7.088 CGPA.

## B.Tech. (Mechanical Engineering)

Galgotias College of Engineering & Technology (2009-13), Secured 73.74% marks

## XII (Science)

Passed in 2008. Secured 78% marks.

## X (Science)

Passed in 2006. Secured 73% marks.

***Skills Summary***

* **Data Science / Machine Learning:** Python, Machine Learning algorithm, Analytical Skills, Data Analyst, Data Visualisation, Numpy, Pandas, Scikit-Learn, Matplotlib, Seaborn, Algebra, Probability, Statistics, Calculus, Matrices, Pycharm, Tableau, Natural Language Processing, MySQL, MongoDB, SQL, NoSQL, AI, ML, Analytics, Computer Vision, Deep Learning

## Soft Skills: Collaborator, Planner, Problem Solver, Analytical, Multi-tasker, Flexible, Excellent verbal and written communication skills

***Certifications***

* Python Core Programming Course (05/2023 - 07/2023) [CERTIFICATE](https://digistackedu.com/certificate/DSE1230043-%20Diwan-Singh.pdf)
* Expert in Machine Learning & Data Analysis (07/2023 - 12/2023 [CERTIFICATE](https://digistackedu.com/certificate/DSE1230059-Diwan-Singh.pdf%20%20%20%20%20%20%20%20%20%20)
* Certified Quality Core tools by Quality Hub India (05/2020)
* Professional in Product Design in Auto Cad & Solid Woks.

***Projects***

## Laptop Price Predictor Project [Link](https://github.com/diwansinghchauhan/Laptop-Price-Predictor-Using-Linear-Regression)

* Created a tool to predict laptop prices using linear regression.
* Developed a user-friendly interface with Streamlit to make it easy for users to interact with the predictor.
* Successfully deployed the app on Streamlit Community Cloud for wider accessibility.
* Demonstrated skills in machine learning, software development, and cloud deployment through this project.

## Hand Gesture-Based Controls for Virtual Object Interaction [Link](https://github.com/diwansinghchauhan/Hand-Gesture-Based-Controls-for-Virtual-Object-Interaction)

* Real-time hand tracking using OpenCV and CVZone.
* Integration of hand tracking data into Unity 3D environment.
* Implementation of hand gesture-based controls for interacting with virtual objects.
* Utilization of Visual Studio Code for writing C# code for seamless integration.

## An API based NLP application created using Tkinter and OOP [LINK](https://github.com/diwansinghchauhan/nlpapp)

* NLP application constructed with Tkinter and OOP principles.
* Offers text analysis functionalities through APIs.
* GUI enables user-friendly interaction with the application.
* Users input text and conduct NLP analysis effortlessly.

## Created Story on 120 Years of Olympic History on Tableau [LINK](https://public.tableau.com/app/profile/diwan.singh.chauhan/vizzesv)

* Developed comprehensive Tableau visualization of 120 years of Olympic history.
* Highlighted key events, medal counts, and participating countries.
* Utilized data analytics techniques for insightful presentation.
* Employed visualization techniques for engaging and informative display.

***Work Experience***

# Aug’17 to July’23 in Balaji Aluminium Extrusions Pvt. Ltd as Quality Assurance Engineer

***Accountabilities***

* **Quality Management Expertise**: Proficient in maintaining quality documents, conducting internal audits, and implementing improvement methodologies like Kaizen and problem-solving techniques to enhance product quality.
* **Technical Proficiency**: Skilled in utilizing advanced testing and inspection techniques, including statistical process control (SPC), metallography, and CAD software (Solid Works), ensuring compliance with design specifications and technical standards.
* **Problem Resolution and Continuous Improvement**: Experienced in root cause analysis, CAPA implementation, and utilizing QC tools to address customer complaints, reduce rejection rates, and drive continuous improvement initiatives throughout the production process.

***Personal Details***

* **Linguistic Abilities:** English, Hindi
* **Nationality**: Indian
* **Marital status**: Unmarried
* **Address:** Udham Singh Nagar, Uttarakhand