Diwan Singh Chauhan
Data Scientist

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Portfolio :- diwansinghchauhan.github.io/portfolio/

Objective

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.

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
- Expert in Machine Learning & Data Analysis (07/2023 - 12/2023 CERTIFICATE
- Certified Quality Core tools by Quality Hub India (05/2020)
- Professional in Product Design in Auto Cad & Solid Woks.

Projects

- **Customer Segmentation using K-Means Clustering**
  - Customer segmentation project using K-Means Clustering for classifying customers into groups.
  - Data analysis techniques employed to identify patterns in customer behavior.
  - Targeted marketing strategies developed based on segmentation results.
  - Aim to enhance customer satisfaction through personalized approaches.

- **Car Price Predictor Project**
  - Car price predictor project using Linear Regression.
  - Deployment as a web application using Flask framework.
  - Users input car details for price prediction.
  - Provides sellers with a tool to gauge market value of their vehicle.

- **An API based NLP application created using Tkinter and OOP [LINK](#)**
  - 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](#)**
  - 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