JEETENDRA SINGH

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DATA SCIENTIST (AI | ML | DL)

PROFESSIONAL SUMMARY

A skilled and versatile Data Scientist with over **6** years of professional experience, specializing in AI, machine learning, and deep learning for the **4** past years. I excel at developing and deploying data-driven solutions that directly improve operational efficiency and business outcomes. My expertise includes building AI-powered platforms for computer vision, predictive analytics, and natural language processing using Python, TensorFlow, and OpenCV.

With a proven track record of leading complex projects—including an IoT-based system that boosted productivity by 20% and an asset management solution that reduced equipment breakdowns by 95%—I am adept at translating data into actionable insights and strategic decisions. I am eager to apply my skills in a dynamic environment to tackle new challenges and drive innovation.

SKILLS

- **Technical Skills: Python programming** (NumPy, Pandas, Matplotlib, Seaborn, **Tableau**), **Machine Learning** (Supervised, Unsupervised, Reinforcement learning, Boosting Techniques, Advanced Regression), **Deep learning** (CNN, RNN, TensorFlow, Keras, Scikit-Learn, OpenCV), **Natural Language Processing** (LLM, Agentic AI Chatbot, Text preprocessing, NER, Sentiment Analysis, Text classification)**,** Feature Engineering (Dimensionality reduction, Feature selection), **Model Evaluation and Optimization** (Cross-validation, Hyperparameter tuning, ROC curves), **Big Data Technologies** (Hadoop, MapReduce, Hive, Sqoop, Spark), **Data Analysis** (SQL, Power-BI, Python)
- **Core Competencies:** Research and Planning, Project Management, Statistical Analysis, Deep Learning, Machine Learning, EDA
- **Soft Skills:** Collaboration and Communication, Leadership, Teamwork, Problem-solving with complex insights, Adaptive and Cross-functional

WORK EXPERIENCE

1. Freelance Data Scientist | AI & ML Automation Consultant   January 2024 – Present

Key Accomplishments & Business Impact

- Developed AI-powered chatbots for client businesses, improving customer engagement and automating responses
- Built custom machine learning models for predictive analytics, recommendation systems, and NLP tasks
- Consulted with clients to define project scope, develop data strategies, and optimize business processes and build data pipelines and AI models
- Delivered solutions in domains such as Shipping, and healthcare improving decision-making and efficiency

2. Program Manager (Data Science) - Perennial Intellect Pvt Ltd (Pune, India)   February 2021 - November 2023

Key Accomplishments & Business Impact:

- Led the tech team in developing an AI-powered video analytics system, enhancing the effectiveness of the advanced security and surveillance system by 40%
- Implemented an asset management system that led to a 95% reduction in onsite equipment breakdowns, significantly improving operational reliability
- Led the development of an IoT-based predictive analytics ERP system, boosting the productivity of on-field engineers by 15–20%
- Developed an AI-powered capacity calculator for an e-commerce platform, achieving 99% accuracy in predicting industrial, commercial, and residential demands
- Pioneered the integration of data science practices and led the organization's data team toward analytics-driven decision-making

3. Manager of Logistics - Rohtang Impex Lda (Mozambique, Africa)   December 2016 - March 2019

Key Accomplishments & Business Impact:

- Introduced on-the-go refueling strategies, resulting in a 15% reduction in logistics expenses and improved fuel efficiency across fleet operations
- Spearheaded logistics operations for a fleet of 90+ personnel, leading a cross-functional team of managers, drivers, and shipping staff to streamline transportation workflows

EDUCATION

- **M.Sc. (Data Science)** – Liverpool John Moore's University-**United Kingdom**   June 2022 - November 2023
- **PG Diploma (Data Science) -** International Institute of Information Technology-**Bangalore**   July 2019 - August 2020
- **B.Sc. (Physics) -** University of Pune   July 2011 - June 2014

CERTIFICATIONS

- **Azure Machine Learning Cloud Workspace**   2025
- **Google Advanced Data Analytics Professional Certificate**   2024
- **IBM Data Science Professional Certificate**   2024
- **Git and GitHub Action: a complete guide**   2023
- **Advanced AI: Deep Reinforcement Learning in Python**   2023

KEY AI AND DATA SCIENCE PROJECTS

- **Ship Inspection Application:** Led the development of a real-time ship inspection platform with offline sync, automated reporting, and data capture features. Ensured adherence to SOLAS, MARPOL, and EU maritime compliance standards while improving inspection efficiency and data visibility.
- **AI-powered E-commerce Platform -** Provided technical mentorship to the data science team. Collaborated with engineering teams to integrate AI features into the platform. Conducted A/B testing to ensure model efficacy and user satisfaction.
- **IoT-based Predictive ERP System -** Oversaw cross-functional coordination and stakeholder reporting while implementing robust data pipelines to generate predictive insights. Ensured seamless alignment of technical features with business objectives to enhance operational efficiency.