UMANG PURWAR

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I am skilled in Python, data analysis, and artificial intelligence. I have experience in computer vision, machine learning, and NLP. I also have practical knowledge of AWS, Power BI, and deep learning frameworks.

EXPERIENCE

JR. DATA SCIENTIST | INNODATATICS | HYDERABAD, INDIA | DEC/2023- PRESENT
• AI-driven projects in computer vision, optimizing models for precise image analysis and interpretation.
• Engineered NLP algorithms to extract actionable insights from vast textual datasets, facilitating informed decision-making.
• Contributed to cross-functional teams, integrating AI solutions to enhance operational efficiency and client satisfaction.

DATA SCIENCE INTERN | INNODATATICS | HYDERABAD, INDIA | APRIL/2023- DEC/2023

• Spearheaded data cleaning and feature engineering initiatives, optimizing marketing strategies and increasing conversion rates by 25%.
• Implemented NLP sentiment analysis, increasing positive sentiment scores by 20%.
• Developed and implemented an advanced image analysis and OCR system to automate TMT rod counting and Bar Bending Schedule; achieved a time savings of 80% and reduced manual errors by 90%.
• Skilled in Python, CNN, YOLO, and AWS (ec2) for training.

SKILLS

•**Technical Skills**: Machine Learning, ETL, Web scrapping, Data Analysis, Data Visualization.
•**Familiar Tech stack:** Python, SQL, MS EXCEL, AWS, PowerBI, NumPy, Pandas, Scikit-learn, statsmodels **,** Mage-AI ETL tool

PROJECTS

• **Machine Downtime Analysis,** Personal
AISPRY applied Python and EDA to analyze data for machine downtime, identifying trends, customer preference and classifying about machine downtime using Machine learning.

Skills: Python | SQL | MS excel | Data analysis | EDA.
• **Wooden Pallets Sales Analysis**, Innodatatics
Applied Python and EDA to analyze sales data for wooden pallets, identifying trends, customer preferences, and areas for sales optimization.
Skills: Python | SQL | MS Excel | Data Analysis | EDA | Trend Identification | Sales Optimization.

• **Sales Tracking Dashboard for TMT Rods Across India,** Innodatatics
Developed a dynamic PowerBI dashboard tracking sales of TMT rods for various clients across India, featuring key metrics, client-wise sales, geographical filters, and diverse chart representation.
Skills: PowerBI | sales analytics | data visualization | SQL.

• **Pizza Sales Analysis using SQL**, Personal
Conducted comprehensive analysis of pizza sales data using MySQL queries. Extracted and aggregated sales data to identify revenue trends and popular pizza types. Utilized MySQL Workbench for query development and data exploration.
Skills: SQL | Data analysis | EDA | Database Management | MySQL Workbench.

EDUCATION

BACHELOR OF TECHNOLOGY
Dr. Ambedkar institute of technology for handicapped | Kanpur, India | 2018-2022
CGPA :7.5/10

PUBLICATIONS

Improving Construction Efficiency with Artificial Intelligence: Automated Bar Bending Schedule Generation,
TIJER - INTERNATIONAL RESEARCH JOURNAL

CERTIFICATIONS

• AI and ML Nano Degree-PrepInsta- February 2023
• Data Science with AI in Python Programming- 360digiTMG-   September 2022
• Data Science, Nasscom - Issued on May
• PowerBI- PrepInsta- February 2023
• Python Fundamentals, Nasscom-Issued on May

HOBBIES

Watching Netflix, Playing Badminton, Travelling, Trekking.

LANGUAGES

Hindi, English