UMANG PURWAR
(DATA SCIENTIST)

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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 | 03/01/2023- Present

- 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: Predictive Modeling, MLops, Artificial Intelligence, Machine Learning, Computer Vision, Web scrapping, Clustering, Regression analysis, NLP, Large Language model, Deep Learning, Data Analysis, Data Visualization, Neural Networks.
Familiar Tech stack: Python, SQL, MS EXCEL, AWS, PowerBI, TensorFlow, Keras, PyTorch, NumPy, Pandas, Scikit-learn.
Soft Skills: Communication, Problem-solving, Critical Thinking, Curiosity, Teamwork, Time Management.

PROJECTS

Domain Chatbot, Peerlist Hackathon
Your AI Assistant: Seamlessly Extracting Insights from URLs, PDFs, and CSVs with Lamma 2
Skills: NLU | LLM | Deep Learning| TensorFlow | NLP | Transfer Learning | FIASS

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.

BAR-BENDING-SCHEDULING, Innodatatics
Streamlining construction, automating data extraction, developing image analysis OCR system, saving time, improving accuracy, and enhancing efficiency.
Skills: Python programming | CNN | Computer Vision | YOLO | OCR | Image processing techniques (padding, contour detection, etc.) | AWS deployment.

EDUCATION

BACHELOR OF TECHNOLOGY

Dr. Ambedkar institute of technology for handicapped | Kanpur, India | 2018-2022

PUBLICATIONS

Improving Construction Efficiency with Artificial Intelligence: Automated Bar Bending Schedule Generation using Image Processing and Optical Character,
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