

# UMANG PURWAR

Bengaluru, Karnataka | [LinkedIn](#),  
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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:** MLOps, Artificial Intelligence, Machine Learning, Computer Vision, Web scrapping, NLP, Large Language model, Data Analysis, Data Visualization, Neural Networks.
- **Familiar Tech stack:** Python, SQL, MS EXCEL, AWS, PowerBI, TensorFlow, Keras, PyTorch, NumPy, Pandas, Scikit-learn, OpenCV, statsmodels

## 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  
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-Preplnsta- February 2023](#)
- [Data Science with AI in Python Programming- 360digiTMG- September 2022](#)
- [Data Science, Nasscom - Issued on May](#)
- [PowerBI- Preplnsta- February 2023](#)
- [Python Fundamentals, Nasscom-Issued on May](#)

## HOBBIES

Watching Netflix, Playing Badminton, Travelling, Trekking.

## LANGUAGES

Hindi, English