

# Manan Khandelwal

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## EXPERIENCE

### CELEBAL TECHNOLOGY | DATA SCIENCE INTERN

June 2024 – Aug 2024 | Jaipur, Rajasthan

- A structured internship as a Data Science intern, involving workload management and participation in various events throughout the period.
- Included weekly development modules, mentorship, assignments, mini-project work, and a final seminar to showcase insights and learning outcomes.

### 67TH MILESTONE X HERO'S CHALLENGE | SPORTS LEAD

Oct 2024 – March 2025 | Kapriwas, Haryana

- Managed and executed the entire sports fest, overseeing 17 events for men's and women's categories while coordinating university invitations and participation.
- Led event logistics, scheduling, and team coordination to ensure smooth operations.
- Competed in the football tournament, securing 2nd place with the university team.

## PROJECTS

### STOCK MARKET PREDICTOR | GENAI AND LLMs

Jan 2024 – Mar 2024 | BML Munjal University

- Built a stock market chatbot using **Alpha Vantage** and **Finnhub** API keys.
- Integrated with LLM models such as **Gemma-2-9B** and **Llama-3.3-70B**.
- Performed technical analysis and visualized trends using Matplotlib, Seaborn, and Plotly.

### SAMVIDHAN AI | AI-BASED LEGAL CONTRACT GENERATOR

Feb 2025 – Present | BML Munjal University

- Developed a rule-based NLP system for legal clause extraction using TF-IDF, GloVe, and regex.
- Used SpaCy for Named Entity Recognition (NER) and Jinja2 for dynamic template generation.
- Built on the CaseHOLD dataset to ensure domain relevance without relying on LLMs.

### GENDER & AGE CLASSIFICATION FROM FUNDUS IMAGES

DIGITAL IMAGE PROCESSING

Sept 2024 – Dec 2024 | BML Munjal University

- Trained a CNN model on retinal fundus images, achieving **81% accuracy** in gender classification and **78% accuracy** in age group prediction.
- Applied image preprocessing techniques like **histogram equalization** to enhance contrast and improve classification performance by **15%**.
- Evaluated the model using precision-recall and ROC curves, with an **AUC score of 0.86**.

## EDUCATION

### BML MUNJAL UNIVERSITY

BACHELOR OF SCIENCE IN  
COMPUTER SCIENCE WITH  
SPECIALIZATION IN DATA SCIENCE  
Expected May 2026  
Cum. GPA: 7.82

### MAYOOR SCHOOL

SENIOR SECONDARY EDUCATION IN  
CBSE BOARD  
2008 - 2022  
89%

## SKILLS

### PROGRAMMING

#### PROFICIENT:

C++ • Python (ML & AI) • HTML •  
Familiar:  
Java • R • FastAPI • Flask

### AI & ML

#### ML & Deep Learning:

Scikit-Learn • TensorFlow/Keras •  
PyTorch

#### Data Science & NLP:

LangChain • Pandas • Seaborn •  
Matplotlib • Plotly  
NLTK • Hugging Face Transformers •  
GenAI • LLMs

### TOOLS / PLATFORMS

Git & GitHub • Google Colab • MySQL •  
VS Code • Jupyter

### OTHER SKILLS

Statistical Analysis • API Integration  
(Finnhub, Alpha Vantage, yFinance, REST  
APIs)

## ACHIEVEMENTS

- Curator and SPOC of Ms. Sanghamitra Bose in TEDxBMU'24
- Treasurer of Strokes Club [2024]
- Captain of the University Football team [2023-2025]

## INTERESTS

- Passionate Footballer (12+ years)
- Tech Innovation
- Event Management and Leadership