

# Navratan Jat

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## Objective

Enthusiastic and skilled in Artificial Intelligence, Machine Learning, and Data Analysis, I aim to contribute to innovative AI solutions by conducting impactful research, designing efficient algorithms, and collaborating with cross-functional teams to deliver intelligent systems.

## Education

Bachelor of Computer Applications (BCA)

Sangam University, Bhilwara

Graduation Year: 2025

## Technical Skills

- Programming Languages: Python, Java, TypeScript, C++
- AI/ML Frameworks: TensorFlow, PyTorch
- Web Development: React, Next.js
- Database Management: MySQL, PostgreSQL
- Tools & Platforms: AWS, Google Cloud, Visual Studio Code

## Professional Experience

Software Developer Trainee

*Technology Twist | June 2024 - September 2024*

- Designed and implemented scalable solutions using React and TypeScript.
- Developed RESTful APIs and conducted data preprocessing for analytics.
- Optimized performance in AI-driven applications using Python.

Freelance AI Projects

- Built an AI-driven recommendation system for an e-commerce platform using TensorFlow.
- Designed and implemented an NLP-based chatbot for customer support, leveraging PyTorch and Python.
- Preprocessed and analyzed datasets to extract patterns and actionable insights using statistical methods.

## **Projects**

- Computer Vision-Based Image Classification: Implemented a convolutional neural network (CNN) for accurate image recognition, achieving 92% accuracy on benchmark datasets.
- NLP Sentiment Analysis Tool: Built a pipeline for real-time sentiment classification using LSTM networks.
- E-commerce Recommendation System: Designed an AI-driven collaborative filtering model to suggest products based on user preferences.

## **Key Responsibilities & Achievements**

- Conducted research on AI algorithms and methodologies to solve complex problems in machine learning and computer vision.
- Designed prototype solutions focusing on performance, scalability, and computational efficiency.
- Analyzed large datasets to derive insights, applying statistical methods and machine learning techniques.
- Collaborated with cross-functional teams to integrate AI solutions and communicated findings effectively.

## **Strengths**

- Strong analytical and problem-solving skills.
- Passionate about exploring new algorithms and innovative methodologies.
- Effective communicator and team player with a growth mindset.