



# Sandeep Yadav

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## EDUCATION

### Masters in Computer Application

Model Institute of engineering and technology

2022 - 2024

### Bachelor's of Computer Application

Cluster University of Jammu

2019 - 2022

### Senior Secondary (XII)

Shiksha Niketan Higher Secondary School

2017

## RELEVANT EXPERIENCE

### Software Development Engineer - 25 Technoarts

Apr 2025 - Nov 2025

- Designed and implemented a hospital management system to fully digitalize operations, replacing paper-based workflows and integrating AI to assist intern doctors with real-time clinical insights.
- Contributed to SkincareConnect, a live AI-driven product, by enhancing the frontend architecture, developing new responsive modules, and deploying production-ready builds via X-Panel.
- Engineered and optimized RESTful APIs to streamline communication between frontend, backend, and AI microservices; implemented secure authentication (JWT), request validation, pagination, and versioning with detailed API documentation using Postman.
- Architected and maintained robust databases using MongoDB, designing scalable data models, efficient indexing, and aggregation pipelines to support AI analytics and real-time data processing.
- Integrated AI services within a modern frontend ecosystem built on React and Tailwind CSS, delivering a seamless, responsive user experience and enabling smooth interaction with machine learning components through well-structured REST endpoints

## RELEVANT PROJECTS

### Whatsapp Chat Analyzer

Feb 2024 - May 2024

- Cleaned and structured WhatsApp chat data using Pandas for accurate analysis.
- Used NLTK for sentiment analysis, classifying chats as positive, negative, or neutral.
- Created visualizations with Matplotlib and Seaborn to show chat activity and sentiment trends.
- Built a Streamlit UI for easy analysis, developed using Anaconda and PyCharm.

Aug 2023 - Nov 2023

### Carrer Connect || Job Portal

- Developed a job portal website ("Career Connect") using React.js with Redux for state management and Tailwind CSS for styling.
- Implemented secure authentication and user management with Node.js, Express, and MongoDB for efficient data storage.
- Built features for users to register companies, post job openings, explore jobs, and apply seamlessly

Other Projects - Weather App, Personal Portfolio, Sticker Maker, AQI Viewer

## SKILLS

- Languages** : JavaScript, Python
- Frameworks & Runtime** : Node.js, Express.js, React.js
- Libraries & Tools** : Material UI, Tailwind CSS, Redux, Pandas, Hugging Face, Git
- Databases** : MongoDB, MySQL

## CERTIFICATIONS

- Introduction to Artificial intelligence - IBM
- The Structured Query Language - University of Colorado Boulder