



# 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	Sep 2024 - Jan 2025
<ul style="list-style-type: none"><li>Developed and deployed a hospital management system, digitalizing operations and cutting paperwork by 90% by integrating AI to assist intern doctors with real-time clinical insights.</li><li>Revolutionized SkincareConnect's user interface by architecting 3 new responsive modules using React.js, ensuring cross-browser compatibility and enhancing the visual appeal of the AI-driven product via X-Panel.</li><li>Designed RESTful API infrastructure using JWT-based authentication that enabled secure communication across AI services and frontend/backend, optimized request flows with pagination and validation, and cut paperwork by 90%.</li><li>AI analytics and real Architected and maintained robust databases using MongoDB, designing scalable data models, efficient indexing, and aggregation pipelines to support -time data processing.</li><li>Integrated AI services within a React and Tailwind CSS frontend, delivering a seamless user experience and enabling machine learning component interaction through well-structured REST endpoints, validated with 40% test coverage.</li><li>Achieved high-impact results by fostering teamwork, open communication, and technical excellence.</li></ul>	

## RELEVANT PROJECTS

Whatsapp Chat Analyzer	Feb 2024 - May 2024
<ul style="list-style-type: none"><li>Processed and refined unstructured chat data using Pandas for accurate, actionable analytical insights.</li><li>Conducted sentiment classification using NLTK (Positive/Negative/Neutral) with high precision results.</li><li>Visualized activity and behavioral patterns with Matplotlib &amp; Seaborn for clear trend identification.</li><li>Engineered interactive Streamlit dashboard utilizing Anaconda and PyCharm, empowering users with real-time data exploration; facilitated visualization of over 100,000 data points for enhanced analytical insights and decision-making.</li></ul>	
Carrer Connect    Job Portal	Aug 2023 - Nov 2023
<ul style="list-style-type: none"><li>Spearheaded the development of 'Career Connect,' a job portal using React.js, Redux, and Tailwind CSS, facilitating company registration, job postings, and application workflows for 50+ users.</li><li>Deployed Node.js and Express-based APIs with MongoDB integration, establishing secure CRUD operations, reducing authentication errors by 15%, and accelerating data retrieval times by 25% through optimized queries.</li><li>Architected company registration module featuring intuitive UI and automated validation, accelerating account creation by an average of 7 minutes per company while maintaining data integrity for over 50 active companies.</li></ul>	

## Additional Projects

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

## SKILLS

- Languages:** HTML, CSS, JavaScript, Python, SQL
- Frameworks & Runtime:** Node.js, Express.js, React.js, Angular, FastAPI, AWS Glue, Apache Spark
- Libraries & Tools:** Tailwind CSS, Bootstrap, Redux, LangChain, Pydantic, Pandas, Hugging Face, Git, Postman
- Databases:** MongoDB, MySQL, Amazon S3
- AI / LLM Concepts:** Retrieval-Augmented Generation (RAG)

## CERTIFICATIONS

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