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

RELEVENT EXPERIENCE

Software Development Engineer – 25 Technoarts   Sep 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

RELEVENT 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.

Carrer Connect || Job Portal   Aug 2023 - Nov 2023
- 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 Artifical intelligence - IBM
- The Structured Query Language - University of Colorado Boulder