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 2024 – Nov 2025*

- 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.
- 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.
- 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%.
- 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.
- 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.
- Achieved high-impact results by fostering teamwork, open communication, and technical excellence.

RELEVENT PROJECTS

Whatsapp Chat Analyzer   *Feb 2024 - May 2024*

- Processed and refined unstructured chat data using Pandas for accurate, actionable analytical insights.
- Conducted sentiment classification using NLTK (Positive/Negative/Neutral) with high precision results.
- Visualized activity and behavioral patterns with Matplotlib & Seaborn for clear trend identification.
- 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.

Carrer Connect || Job Portal   *Aug 2023 - Nov 2023*

- 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.
- 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.
- 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.

Additional Projects

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

SKILLS

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

CERTIFICATIONS

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