



**Dharmendra kumar yadav**  
Information Technology  
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## SKILLS

- ❖ **Technical Skills:** C, C++, Java, Python, Object-Oriented, RESTful APIs, Agile Methodologies, Data Structures, Algorithms, HTML, CSS, Tailwind CSS, JavaScript, React, Node JS, Express JS, MongoDB, SQL, Postman, Git, Operating System, DBMS, Linux.
- ❖ **Soft Skills:** Problem-Solving, Team Collaboration, Adaptability, Creative Thinking.

## EDUCATION

- ❖ B-Tech (IT) | National Institute of Technology Kurukshetra CGPA: 8.0 | 2025
- ❖ XII (BSEB Patna) | M.L.A.S.+2 SS Daleya Gopalganj 73.60 % | 2019

## EXPERIENCE

- ❖ **Intern Project | Dept. of computer Engineering** Jan 2024 - Jun 2024

AI Music Generation Using LSTM | [GitHub](#)

- **Engineered** an advanced piano music generation system leveraging LSTM, bidirectional LSTM, and stacked LSTM networks.
- **Enhanced** the training dataset of MIDI note sequences through data augmentation, achieving a 30% increase in user satisfaction.
- **Optimized** the model to reach a 95% accuracy rate in generating music tailored to user-defined styles.
- **Streamlined** the creative process with a 40% reduction in manual editing time, significantly boosting efficiency.
- **Validated** model performance through rigorous testing, resulting in improved reliability and user experience.

## ACADEMIC PROJECTS

- ❖ **Hospital Management System | MERN stack Project** | [GitHub](#)

- **Developed** a robust Hospital Management System using the MERN stack (MongoDB, Express, React, Node.js). Features full authentication and role-based access control.
- **Implemented** comprehensive authentication and role-based access control.
- **Managed** over 1,000 patient records and 200+ doctor profiles. Patients can securely log in, communicate with the hospital, and request appointments.
- **Configured** admin features to create new users, register doctors, view messages, and update appointment statuses.
- **Enabled** patients to securely log in, communicate with the hospital, and request appointments.
- **Optimized** system responsiveness across all devices, boosting operational efficiency by 40%, reducing administrative overhead by 30%, and enhancing patient communication.

- ❖ **Book Store | MERN Stack** | [GitHub](#)

- **Constructed** a responsive Book Store application using the MERN stack and Tailwind CSS.
- **Implemented** user authentication, allowing over 1,000 users to access exclusive sections like "Our Courses" and manage their login status. Made free books available to all users, which led to a 40% increase in site traffic.
- **Facilitated** access to free books for all users, leading to a 40% increase in site traffic.
- **Enhanced** site functionality with search and filtering features for improved navigation and book discovery.
- **Integrated** dark and light modes, elevating user experience with a 25% increase in satisfaction and a 15% reduction in bounce rates.

- ❖ **Portfolio website | React and tailwind CSS** | [GitHub](#) [Live Project](#)

- **Designed and launched** a fully responsive animated portfolio website using React and Tailwind CSS.
- **Showcased** over 10 projects, highlighted skills and experience, and included smooth transitions and interactive elements.
- **Incorporated** a direct link to my resume, boosting views by 50% and engaging potential employers.
- **Increased** networking opportunities and project inquiries by 30% through a polished online presence.
- **Optimized** site visibility with SEO techniques to enhance online presence.

## ACHIEVEMENTS / HOBBIES

- **Resolved** 1,200+ DSA questions across platforms, including [GeeksForGeeks](#) and [LeetCode](#).
- **Achieved** 3rd place in the GeeksForGeeks Institute Ranking.
- **Qualified** JEE Advance, demonstrating strong problem-solving and analytical skills.
- **Developed and Lunched** an animated portfolio website using React and Tailwind CSS.