

VIKAS KUMAR

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EDUCATION

- | | |
|---|-----------|
| • National Institute Of Technology Patna | 2021-2025 |
| <i>B.Tech Computer Science Engineering</i> | CGPA :8.0 |

PERSONAL PROJECTS

•NyayaSadhak

Tools & Technologies: Python, Lamini T38 LLM model, React JS, Hugging Face Lawchain.

- 1.Developed a multilingual chatbot using the Lamini T38 LLM model.
- 2.Provides legal insights in 22 languages, improving accessibility for a broader audience.
- 3.Utilized Hugging Face's Lawchain for efficient language processing, achieving a processing speed improvement of 30%.
- 4.Implemented advanced Natural Language Processing techniques, resulting in a 25% increase in accuracy for context-aware responses.

QnA app

Tools & Technologies: React.js, Tailwind CSS, Node.js, Express.js, MongoDB

1. Developed a Question-and-Answer application where users can post questions and comment on questions.
2. Implemented an admin role to approve or reject questions, ensuring only approved questions are displayed on the user feed or global feed.
3. Designed a responsive and user-friendly interface for seamless interaction across devices.
4. Utilized MongoDB for data persistence and implemented APIs for efficient data handling using Express.js and Node.js.

Password Generator

Tools & Technologies: React.Js, TailwindCSS, javascript

1. Designed and implemented a web application using React.js that let users to create secure passwords.
2. The application allows users to specify password length (ranging from 6 to 100 characters) and also choose if user want numbers or alphabets or special characters in thier password.
3. It has a user-friendly copy button, enabling users to easily copy passwords to their clipboard.

TECHNICAL SKILLS AND INTERESTS

1. **Programming Languages:** C++, Python, JavaScript.
2. **Database Management:** SQL, MongoDB, Database management systems (DBMS).
3. **Frameworks and Libraries:** HTML/CSS, ReactJs, Express.js.
4. **Developer Tools:** Git, GitHub, and VS Code.
7. **Soft Skills:** Collaborative Team Engagement, Analytical Reasoning, Agility and ability to adapt quickly to changing requirements.
5. **Areas of Interest:** Software development, Data Structures, and Algorithms, Machine Learning, Object-Oriented Programming (OOP), and Operating Systems, Computer Network.

POSITIONS OF RESPONSIBILITY

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|---|-------------------|
| 1. Project Coordinator, GDSC Web Team | July'23 - July'24 |
| 3. Problem-Setter, IEEE weekly coding contest - Code and Uncoded | July'23 - Oct'23 |
| <i>(Managed a competition with over 400 student participants.)</i> | |

CODING PORTFOLIO

- [LeetCode](#) (1800+ Rating) || [Codechef](#) (1560) || [Codeforces](#) (1200+ Rating)

ACHIEVEMENTS

1. **Secured 2nd place** in Hackofest (National level hackathon April 2024) by developing NyayaSadhak, a multilingual chatbot that delivers law-related answers in 22 languages.
2. **AIR 14 Rank** in UI/UX Hackathon with the participation of over 650 teams
3. **Global Rank: 199 out of 20000+** Codechef Long Challenge
5. **LeetCode Rating: 1800**, placing in the top 8% among users, with over 700 problems solved illustrating proficiency in algorithms and data structures.