Ritika Sinha

Linkedin: https://www.linkedin.com/in/ritika-sinha9/
Github: https://github.com/RitikaSinhaa99

Email: ritikasinha9april@gmail.com
Mobile: +91 9693370933

SKILLS

Languages:	PHP, C++, Python, Java
Tools/Platforms:	HTML, CSS, PostgreSql, MongoDB, React.js, Nodejs, Wordpress, Bootstrap, Git, GitHub
Soft Skills:	Problem-Solving, Team Player, Project Management, Adaptability

TRAINING

GeeksforGeeks (Edtech Company)   Jun' 24 – Jul' 24
Data Structure and Algorithms

- Utilised core DSA concepts to solve practical problems and focused on optimised algorithm design to improve efficiency.
- Developed a library management system that improved data management and boosted overall system performance.
- Applied key DSA techniques such as sort, search, graph, and dynamic programming to achieve measurable performance gains.

PROJECTS

Real-Time Language Translator |Python, Streamlit, Googletrans, SpeechRecognition, PyAudio, httpx   May' 25

- Developed a real-time voice-based translation app with speech-to-text, translation, and text-to-speech features to enable seamless multilingual communication.
- Integrated external tools to process voice input and deliver accurate multilingual output across multiple languages.
- Designed a responsive, intuitive interface to enhance overall user experience.

ReadMatch| HTML, CSS, Javascript, MySQL, PHP   Oct' 24

- Implemented a secure authentication system with robust session management to ensure user data protection.
- Developed a personalised book recommendation quiz, enabled smooth browse and order flow by aligning user preferences with curated results, and boosted user engagement.
- Created a responsive, intuitive interface to ensure a seamless experience across all devices.

BrainTeaser| Nodejs, PostgreSQL, HTML and CSS   Apr' 24

- Designed interactive brain games to classify users as left- or right-brained and encouraged repeat usage through game mechanics.
- Developed a RESTful API with Node.js to manage game logic and data flow, improved system performance and reduced server delays.
- Integrated PostgreSQL to store and analyse real-time user data, enabled consistent, accurate feedback based on user behaviour.

CERTIFICATES

Front End Web Developer Certication| Infosys Springboard	May' 25
Building Web Application in PHP	Coursera	Nov' 24
Design & Implementation of Human-Computer Interfaces	NPTEL	Nov' 24
Object-Oriented C++: Inheritance and Encapsulation	Coursera	May' 24

CO-CURRICULAR ACTIVITIES

- Participated in the Dr. Code Hackathon, contributed to a lead management system and demonstrated strong problem-solving and innovation in a collaborative setup.   Mar'25
- Built an interactive NGO website for summer community service and collaborated with team members to align the interface with organisation needs.   Jul' 23
- Volunteered with TechOcean to support the event setup and coordination of technology programmes, ensured smooth execution and strong participant involvement.   May'23

EDUCATION

Lovely Professional University   Phagwara, Punjab
Bachelor of Technology
Computer Science and Engineering; CGPA:**7.23**   Sep' 22– Present

D.A.V Public School   Patna,Bihar
Intermediate
PCM; Percentage: **85.4%**   May' 20 – May' 21

D.A.V Public School   Patna,Bihar
Matriculation
Percentage: **96.8%**   Mar' 18 – May' 19