Nishchay Rajput

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EDUCATION

Indian Institute of Technology Bhilai   Bhilai, India
Bachelor Of Technology in Computer Science and Engineering   *2022 - 2026*

EXPERIENCE

Full Stack Engineer   April 2025 - Now
Phinite.ai | (Remote)   *Durg, India*
- Building a mobile and web-based MVP for an AI-driven conversational workflow platform.
- Developed using the MERN stack (MongoDB, Express.js, React.js, Node.js) for web, and Kotlin/Java (Android) & Swift (iOS) for native mobile apps.
- Contributing to full-stack integration and early-stage product direction.

Project Intern   May 2025 - June 2025
Under Dr. Dhiman Saha | IIT Bhilai   *Durg, India*
- Developed strong automation scripts in C++ to test and validate PKCS11 cryptographic functions in the TrustToken. This ensured compatibility across Linux and Windows.
- Designed and built a client-server application that integrates TrustToken. This setup helps ensure secure communication and validation processes.

Project Intern   May 2024 - July 2024
Under Dr. Dhiman Saha | IIT Bhilai   *Durg, India*
- Built a Flutter-based attendance app for 1000+ students with secure ID card data capture and Made-in-India USB token integration, enhancing verification and fraud prevention.
- Integrated USB token authentication and encryption in a P2P video conferencing app; collaborated with CDAC to develop robust token-based security solutions.

PROJECTS

Feedback System | Github   April 2025 – Present
- Developed a digital feedback portal using Next.js to streamline anonymous student feedback, replacing manual paperwork and improving efficiency across departments.
- Integrated token-based validation and real-time analytics dashboards, enabling faculty to make data-driven decisions based on structured feedback insights.

SAR Image Colorization | Github   October 2024 – November 2024
- Implemented a deep learning model to colorize grayscale SAR images for better visual interpretation from a research paper.
- Enhanced SAR image usability for geological and environmental analysis.
- Applied image processing and neural networks to improve feature visibility in remote sensing.

Chcommune | Blogs Website | Admin Website | Demo | Github   Nov 2023 – Feb 2024
- Created a comprehensive full-stack Blogs web application leveraging Node.js and Express.js for backend functionality and React for the frontend, ensuring seamless user experiences.
- Implemented Google OAuth for authentication and utilized cloud services for scalable database infrastructure.
- Build an Admin Panel for the website, for efficient management of all tasks, achieving 100% task control and oversight through a centralized interface.

Smart Payment System | TIH IIT Bhilai   Sept 2023 – March 2024
- Created a payment system for over 1200 members of IIT Bhilai, allowing them to use their ID cards for payments.
- Established a transparent transaction system for vendors, administration, and students; enhanced trust and fairness, reducing disputes by 40% and increasing overall satisfaction.
- This system keeps track of all mess-related payments made each day.

TECHNICAL SKILLS

Languages: C, C++, JavaScript, TypeScript, Python
Frontend: HTML, CSS, React.js, Tailwind CSS, Flutter, Next.js, PHP
Backend & Databases: Node.js, Express.js, Firebase, MongoDB, MySQL
DevOps & Cloud: Docker, Jenkins, Kubernetes, Bash Scripting, GCP (Basic)
Tools & Platforms: Git, GitHub, GNU Debugger, LaTeX, Markdown