

Kshitij Raj

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[LinkedIn Profile](#)

[GitHub Profile](#)

Education

Shobhit Institute of Engineering & Technology

Bachelor of Technology in Computer Science & Engineering

August 2023 - June 2027

Meerut, Uttar Pradesh

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Computer Networks
- Web Development
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

Projects

- Chat App** / *React.js, Node.js, MongoDB, WebSocket* **January 2025 - Present**
 - Developed a real-time chat application with WebSocket-based group messaging, automated message deletion upon user logout (leveraging event-driven architecture), and end-to-end encrypted read receipts, enhancing user privacy by 60%.
 - Implemented JWT authentication and AES-256 encryption, ensuring 100% secure communication.
- Vidya Vaani** / *React.js, Django, PostgreSQL, Machine Learning, NLP* [Project Link](#) **August 2024 – January 2025**
 - Developed an educational tool for learning Indian Sign Language (ISL) with 90% accuracy in sign detection.
 - Designed an intuitive UI, increasing accessibility and engagement by 40%, using React.js and Django.
- Blog Loom** / *React.js, Node.js, MongoDB* [Project Link](#) **August 2024 - December 2024**
 - Built a blogging platform enabling 1000+ users to create, customize, and share content seamlessly.
 - Integrated cloud solutions, improving scalability by 50% and reducing downtime by 30%, ensuring 99.9% uptime.

Technical Skills

Languages: Python, C, C++, JavaScript, PHP

Development Tools: VS Code, Android Studio, Google Colab, Jupyter

Technologies/Frameworks: React.js, Node.js, Express.js

Database Management: MongoDB, MySQL, PostgreSQL

Version Control & Deployment: Git, GitHub, Docker, Vercel, Netlify

Certifications & Achievements

Hackathon & Coding Competition

February 2024

Fetch-a-thon 2024

MIET, 2024

- Track and compare flight prices over time.
- Notify users of price drops or increases.

Internal Smart India Hackathon 2024 Winner

Shobhit University, 2024

- Build ISL Learning Platform
- Experienced India's Largest Hackathon

National Coding League 2024

Scaler School of Technology, 2024

- Ranked in the top 10% in the National Coding League 2024
- Ability to optimize code for performance and efficiency.

Sports

December 2018

Bihar State Yoga Championship

DAV Public School, 2018

Expertise in breathing techniques (Pranayama) and meditation

Profiles : [LeetCode](#) | [HackerRank](#)