

# 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

- 1. 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.
- 2. 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.
- 3. 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](#)