# Deo Sagar Kumar

Email: deosagar150@gmail.com | Phone: +91 8789425130 | [LinkedIn](#) | [GitHub](#)

## EDUCATION

**Bachelor of Technology in Computer Science Engineering** — 2022-2026
*Vellore Institute of Technology* — *CGPA: 8.95/10.0*

**Higher Secondary Certificate (Class 12)** — 2021
*DAV Public School Hazaribag, Jharkhand* — *Percentage: 91%*

**Secondary School Certificate (Class 10)** — 2019
*DAV Public School Tapin North, Ramgarh, Jharkhand* — *Percentage: 92.8%*

## TECHNICAL SKILLS

**Programming Languages:** C++, Python, JavaScript, SQL, HTML, CSS
**Web Technologies & Frameworks:** React.js, Next.js, Node.js, Express.js, Angular, Tailwind CSS, Bootstrap
**Machine Learning & AI:** TensorFlow, PyTorch, OpenCV, MediaPipe, Google Gemini API
**Databases & APIs:** MongoDB, MySQL, RESTful APIs
**Developer Tools & Platforms:** GitHub, Postman, AWS (Fundamentals)
**Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming

## EXPERIENCE

**Web Developer Intern** — February 2025 - April 2025
*Raklyar Enterprises* — *Remote*

- Enhanced user interface and frontend performance using Next.js framework, optimizing page load times and improving mobile responsiveness across multiple device breakpoints
- Crafted and deployed frontend components for image upload functionality and display systems, creating seamless user experience with real-time preview and backend API integration

## PROJECTS

**Ocassio - Event Management Platform** | *Full-stack web application with AI integration*
[Live Demo](#)

- Developed comprehensive event management platform using Next.js and TypeScript, enabling users to create, manage, and discover events with image uploads, location mapping, and dynamic pricing
- Integrated secure payment processing using Stripe API, user authentication with Clerk, and real-time data management with MongoDB
- Built responsive chatbot interface and dynamic event discovery features, resulting in increase in user retention across desktop and mobile platforms

**Hasthakshar - Indian Sign Language Recognition System** | *Computer vision and deep learning application*
[GitHub Repository](#)

- Built real-time Indian Sign Language gesture recognition system using computer vision and deep learning techniques with custom dataset creation and preprocessing
- Executed skeletal keypoint detection using MediaPipe and OpenCV for accurate hand gesture tracking and stick figure representation for improved model training
- Built and trained deep neural networks using TensorFlow and PyTorch frameworks, achieving 90% accuracy in gesture classification across 26 alphabetic signs

## ACHIEVEMENTS AND CERTIFICATIONS

- First Runner-Up, Zelestra ML Ascend Challenge 2025 — Ranked 2nd among 1500+ participating teams nationwide.
- Top 10 Finalist, HackXplore 2025 (SPIT Mumbai) — Selected among 325+ competing teams.
- IBM Certified Generative AI Developer — Achieved 90% score demonstrating strong GenAI proficiency.
- Top 10 Finalist, Odoo Hackathon 2025 — Ranked top 10 out of 20,000+ participants.
- Top 100, Amazon ML Challenge 2025 — Secured Top 100 rank in national machine learning competition.

## LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

- Social Media Co-Lead, Eureka Club VIT Bhopal - Led promotional campaigns for Advitya-2025 festival, managing content strategy and digital outreach reaching 5000+ students and external participants
- CCL Merit Scholarship Recipient (2022-2024) - Awarded merit-based scholarship by Central Coalfields Limited for maintaining consistent academic excellence and leadership qualities over two consecutive years