# Deo Sagar Kumar

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## Education

**B.Tech in CSE (Cyber Security and Digital Forensics)** *2022-26*
*VIT Bhopal University, Bhopal* CGPA: 8.95

**Senior Secondary Education (Class 12)** *2021*
*DAV Public School Hazaribag, Hazaribag* Percentage: 91%

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

## Technical Skills

C/C++, JavaScript, HTML/CSS, SQL, React.js, Next.js, Express.js, Tailwind CSS, Git, GitHub, MongoDB, MySQL, OOPS, Problem Solving (DSA)

## Experience

**Freelance Web Developer Intern, Raklyar Enterprises**
*Remote* Feb 2025 - 45 days

- Improved **UI and frontend performance** using **Next.js**, optimizing load times and responsiveness to deliver a more **user-friendly experience** across devices and screen sizes.
- Migrated **image upload functionality** from UploadThing to **Amazon S3** within a cloud-based **AWS environment**, enhancing **scalability, reliability, and storage efficiency**.

## Projects

**Ocassio** *Link*
*Full-stack event management platform with AI integration and payment processing*

- Built a **feature-rich event platform** using **Next.js** and **TypeScript** for creating events with images, location, and pricing.
- Integrated **Google Gemini API** for **AI features**: summarization, and custom query handling.
- Implemented **real-time event data fetching**, **ticket purchasing with Stripe**, and a dynamic chatbot-style UI, delivering a **seamless user experience** with enhanced functionality.
- **Tools Used:** Next.js, TypeScript, MongoDB, Stripe, Google Gemini API, Clerk, Shadcn/UI

**Hasthakshar using Deep Learning** *Link*
*Computer vision system to recognize and translate Indian Sign Language gestures*

- Creating a **custom dataset** of **Indian Sign Language gestures** for training the detection model.
- Implementing **stick figure representation** for **skeletal keypoint detection** and analysis.
- Utilizing **deep learning frameworks** (TensorFlow/PyTorch) for **real-time gesture recognition** achieving **90% accuracy**.
- **Tools Used:** Python, TensorFlow/PyTorch, OpenCV, MediaPipe, NumPy, Matplotlib

## Achievements

- **1st Runner-Up**, **Zelestra X AWS ML Ascend Challenge 2025** — selected from **1500+ teams** in a ML Hackathon.
- **Finalist** at **HackXplore 2025, SPIT Mumbai** – secured **top 10 position** out of **325+ competing teams**.
- **IBM Certified Generative AI Developer** (Score: 90%) — proficient in building and deploying **GenAI models**.
- **Top 10 Finalist, Odoo Hackathon 2025** — Top 10 among **20,000+ teams** in a 24-hour innovation challenge, Gandhinagar.

## Extracurriculars

- **Social Media Co-Lead**, Eureka Club - VIT Bhopal: Co-led the social media team for driving **promotional campaigns** for Advitya-2025 and reaching **thousands of attendees** through strategic outreach.
- **CCL Merit Scholarship Recipient**: Awarded the **CCL Merit Scholarship** (2022–2024) by Central Coalfields Limited for consistent **academic excellence** over two years.