

# Deo Sagar Kumar

deosagar150@gmail.com — linkedin — github

## TECHNICAL SKILLS

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

## EXPERIENCE

### •Freelance Web Developer Intern, Raklyar Enterprises

Remote

[Job Offer Link](#)

Feb 2025 - 45 days

- Improved **UI and frontend performance** using **Next.js**, resulting in a more **responsive and user-friendly interface** across devices.
- 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

- Developed a **feature-rich event management platform** using **Next.js** and **TypeScript**, enabling users to create events with photos, location, and pricing details.
- Integrated **Google Gemini API** for **AI-driven features** like event summarization, sentiment analysis, 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
- **Role:** Computer Vision & Keypoint Detection Contributor

## ACHIEVEMENTS

- **Finalist in Zelestra X AWS ML Ascend Challenge 2025**, ranked among the **top 50** out of **1500+** teams in a **nationwide ML competition**.
- **Finalist at HackXplore 2025, SPIT Mumbai** – secured **top 10 position** out of **325+** competing teams.
- **IBM Certified Generative AI Developer** with demonstrated expertise in building and deploying **GenAI models (Score: 90%)**.
- **Hacktoberfest 2024 Contributor** – actively contributed to multiple **open-source repositories** during the global event.

## LEADERSHIP & 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.

## EDUCATION

### •B.Tech in CSE (Cyber Security and Digital Forensics)

2022-26

VIT Bhopal University, Bhopal

CGPA: 8.84

### •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%