

Sanish Kumar

Linkedin: [linkedin.com/in/sanish-kumar_](https://www.linkedin.com/in/sanish-kumar_)

Github: github.com/SanishKumar

Email: sanishkumar1212@gmail.com

Mobile: +91-6284234794

SKILLS SUMMARY

- **Languages:** Python, Go, C/C++, JavaScript/TypeScript
- **Frameworks:** PyTorch, TensorFlow, Hugging Face, ONNX
- **Tools/Platforms:** Stable Diffusion (SDXL), LoRA Training, ComfyUI, Mistral-7B
- **Techniques:** RAG (Retrieval-Augmented Generation), NLP, Computer Vision
- **Systems & DevOps:** AWS, Docker, Git, Jenkins, Linux/Unix, System Design
- **Soft Skills:** Leadership, Problem-Solving Skills, Team Player, Communication, Project Management, Adaptability

INTERNSHIP

- **Tecosys - Software company in Satahala, Odisha** June 2024 - July 2024
Freelancer
 - **About:** Orchestrated the seamless infusion of Cerina Bounded and Unbounded AI pipelines into the flagship web platform, engineering advanced React + TypeScript client adapters for endpoint ingestion that delivered a 30% uplift in rendering throughput and a 25% improvement in UX accessibility..
 - **Tech stacks used:** React.js · TypeScript · Node.js · API Integration · MongoDB · Git · Docker · Figma
- **Diginique Techlabs (iHub)** May 2023 – July 2023
SDE Intern
 - **About:** Engineered a Python / MongoDB / TypeScript microservices backend, refactoring synchronous API workflows to eliminate explicit wait dependencies and slash latency by 40%, while designing pixel-perfect Figma prototypes that cut senior-team review iterations by over 60%.
 - **Tech stacks used:** Python · TypeScript · MongoDB · FastAPI/REST APIs · Git · Figma · Docker · AWS

PROJECTS

- **Auza – Disaster Response Platform** July 2024
Deployed a peer-to-peer mesh network of ESP32 microcontrollers running Python and TensorFlow to enable offline image-based detection (earthquakes, damage) in disaster zones.
Engineered an AI-driven chatbot (Node.js backend & React Native frontend) for needs assessment and resource allocation, boosting allocation accuracy by 40%.
Managed real-time data flow through a MongoDB database, facilitating an 80% improvement in volunteer coordination and delivery efficiency.
Tech: Python · TensorFlow · ESP32 · Node.js · MongoDB · React Native
- **Football Analysis Computer Vision:** April 2025
End-to-end computer-vision pipeline to detect & track players, referees and ball in match footage using YOLO (v5/v8) with custom model training. Implemented team assignment via K-means pixel-clustering on jersey colors, then used optical-flow for camera motion estimation and perspective-transform to convert pixel displacements into real-world speed/distance metrics.
Tech: Python · OpenCV · ultralytics/YOLO · scikit-learn (K-means) · NumPy · Pandas · Matplotlib

ACHIEVEMENTS

- **Top 5 Nationwide at Gen AI Exchange Hackathon:** January 2024
Selected among hundreds of entries from across India at Google's Gen AI Exchange (sponsored by Jio Finance).
- **One among top 10 teams at SAP Labs Hackfest 2.0:** July 2023
For good academic performance and extra-curricular activities at University.
- **Secured 3rd rank in the Hackathon: BinaryBlitz :** March 2024
Participated and ranked 3rd in the Hackathon organized by Coding Ninjas.

CERTIFICATIONS

- Cloud Computing by NPTEL May 2025
- Advanced Data Structures and Algorithms by Linux Socials August 2024
- Software Design and Architecture Specialization by Coursera May 2024
- Programming, Data Structures and Algorithm using Python by NPTEL April 2023

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 8.03 Since August 2022
Favorite Courses: Object Oriented Programming, Data Structures, Analysis Of Algorithms, Computer Vision