

SUNIL KUMAR PRADHAN

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EDUCATION

Institute of Technical Education and Research (ITER), SOA

2021 – 2025

B.Tech in Computer Science Engineering; CGPA: 9.20/10

Bhubaneswar, India

EXPERIENCE

Full-Stack Web Development Intern, EPAM Systems

Jan 2025 – Jun 2025

sunil_kumarpradhan@epam.com

Hyderabad, India

- Built and shipped production software modules in TypeScript, Angular, Node.js, and MongoDB, exposed through REST APIs consumed by cross-functional teams.
- Worked within an Agile Scrum team, owning tickets end-to-end and participating in code reviews and sprint ceremonies.
- Deployed services to AWS and contributed to a Git-driven CI/CD pipeline used across the team.

Research Ambassador, Springer Nature

2023 – Present

Remote

- Mentored 300+ students across multiple campuses through their first open-source contributions and research-paper submissions.
- Ran sessions on reproducibility, citation practices, and the academic publication workflow.

Core Member, Google Developer Student Clubs (GDSC)

2022 – 2024

ITER, SOA

Bhubaneswar, India

- Organised on-campus hackathons and machine learning / cloud workshops; onboarded incoming students into open source.

PROJECTS

Deduct AI | *LLaMA-13B, LangChain, Chroma DB, FastAPI, PyTorch, YOLO, OpenCV, AWS, Flutter*

- Built a retrieval-augmented assistant for law enforcement that indexes legal text in a vector store and grounds LLaMA-13B suggestions in the retrieved passages, surfaced through a Flutter field-team app.
- Trained a YOLO-based evidence detector on hand-labelled data and deployed both inference pipelines to AWS.
- **3rd place**, Vimarsh 5G Hackathon national finals (Department of Telecommunications × IIT Madras).

AngioSense | *Random Forest, PyTorch, ESP32, IoT Sensors, Streamlit, React, Tailwind CSS*

- Built a wearable that predicts blood-flow blockage from impedance and SpO₂ signals, paired with a wireless stethoscope for low-latency tele-auscultation.
- Trained the classification model, designed the ESP32 firmware, and built the companion React dashboard.
- Featured in the Academia section of India Mobile Congress 2024, New Delhi.

TECHNICAL SKILLS

Machine Learning / Generative AI: PyTorch, TensorFlow, LangChain, LangGraph, Chroma DB, LLaMA, YOLO, Random Forest, Neural Networks

Languages: Python, TypeScript, JavaScript (ES6+), C/C++

Backend & APIs: FastAPI, Flask, Django, Node.js, Express.js, REST APIs

Cloud, DevOps & Edge: AWS, GCP, Git, CI/CD, Streamlit, Chainlit, Gradio, IoT / ESP32, Edge Computing

Frontend & Tooling: React.js, Angular, Next.js, TensorFlow.js, Tailwind CSS, OpenCV, Jira, Agile

ACHIEVEMENTS

3rd Place, Vimarsh 5G Hackathon National Finals – Dept. of Telecommunications × IIT Madras (2024)

1st Place, Symposium 2023 Ideathon – ITER, SOA

1st Place, HackerWar 4.0 – ITER, SOA (2023)

3rd Place, HackerWar 5.0 – ITER, SOA (2024)

2nd Place, HackNation 2023 – Silicon Institute of Technology

4th Place, 5G–6G Hackathon – Department of Telecommunications (2023)