

# SINDIRI MANIKANTA SWAROOP

(+91) 88975 77277 | Palasa, Srikakulam District, A.P - 532221

manikantaswaroopsindiri@gmail.com | linkedin.com/in/sindiri-manikanta-swaroop-504284301

## OBJECTIVE

To work for a forward-thinking organization where I can utilize my technical skills in machine learning, programming, and software development to contribute to innovative projects while continually learning and growing with the organization.

## EDUCATION

### Vishnu Institute of Technology, Bhimavaram

Sep 2023 – Present

Bachelor of Technology in Information Technology

Current CGPA: 9.0 / 10

## TECHNICAL SKILLS

**Programming Languages:** C, Python, Java

**Web Technologies:** HTML, CSS, JavaScript

**Machine Learning:** Supervised & Unsupervised Learning, CNNs

**Libraries/Tools:** NumPy, Pandas, Matplotlib, Git, GitHub, Visual Studio Code

## EXPERIENCE

### Summer Intern – CMERI–CSIR

Summer 2025

IASc-INSANA-SASI Summer Research Fellowship Program – India

- Built CNN models for sonar-based docking prediction of AUVs.
- Applied ML and DL models for underwater navigation tasks.
- Worked with real-world robotics datasets and performance metrics.
- Selected nationally under IASc-INSANA-SASI Summer Research Fellowship.

### Hackathon Mentor

2024 – Present

- Mentored teams in frontend and ML projects during college hackathons.
- Supported project structuring, technical execution, and demos.

## PROJECTS

### Autonomous Underwater Docking Using Sonar-Based CNN Classification

- Built and trained a CNN model to classify sonar images for docking prediction.
- Integrated a Flask web app for real-time feedback during testing.

### Electricity Billing System (Python)

- CLI-based application for calculating units, generating bills, and tracking records.

### Responsive Web Clone

- Developed a responsive replica of a commercial website using HTML, CSS, and JavaScript.

## ACHIEVEMENTS

- 3rd prize in college-level hackathon (50+ participants)
- Paper presented on “How AI is Changing the World” at inter-college event
- Selected for IASc-INSANA-SASI Summer Research Fellowship

## CERTIFICATIONS

- CMERI-CSIR Research Internship Certificate
- Completion Certificate – IASc-INSANA-SASI Internship
- Certificate – AI Paper Presentation
- Certificate – Hackathon Participation

## LEADERSHIP

---

- Organizer – **College Fest:** Coordinated major events, team logistics, and scheduling
- Organizer – **DoIT Club:** Led student-driven technical sessions and coding activities
- Cinematography Club – Acting & dubbing for campus productions
- Peer mentor for juniors in programming, hackathons, and project execution