SINDIRI MANIKANTA SWAROOP

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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: 9.1/10

Sri Chaitanya Junior College, Palasa — Passed in 2023
Intermediate (MPC) — *Percentage: 92.0%*

Goutham High School, Palasa — Passed in 2021
Secondary School Certificate (SSC) — *CGPA: 10.0*

SKILLS

Programming Languages	C, Python, Java
Web Technologies	HTML, CSS
Machine Learning	Supervised and Unsupervised Learning, Deep Neural Networks
Libraries/Tools	NumPy, Pandas, Matplotlib, Git, GitHub, Visual Studio Code

EXPERIENCE

Summer Intern – CMERI–CSIR — Summer 2025
IASc-INSA-NASI Summer Research Fellowship Program — *India*

- Worked on predicting docking accuracy for Autonomous Underwater Vehicles using Python-based ML models.
- Applied deep learning frameworks and predictive algorithms for navigational modeling.
- Gained experience with real-world robotics datasets and performance evaluation metrics.
- Selected among top students across India for national-level research fellowship.

PROJECTS

Electricity Billing System (Python) – Built a command-line application for automating electricity billing operations. Developed features for calculating units, generating bills, and tracking consumer records and payment history.

EXTRA-CURRICULAR ACTIVITIES

- Participated in coding challenges and technical events during academic sessions.
- Active learner of AI/ML concepts beyond the curriculum via online courses and projects.

LEADERSHIP

- Volunteered in college tech fests and department-level coordination teams.
- Peer mentor for junior students in programming fundamentals.