

Manoj Parasuram Sadanala

✉ manojparasuram.sadhanala@gmail.com

☎ 9000830070

📍 Eluru, India

🔗 manoj1749.github.io

🐙 manoj1749

🌐 Manoj Parasuram Sadanala

Education

Electronics and Communication Engineering, Amrita Vishwa Vidyapeetham
2021 – present | Kollam, India
CURRENT CGPA: 7.28/10

Intermediate,
Sri Chaitanya College Of Education
2019 – 2021 | Vijayawada, India
Percentage: 93.7%

DR.K.K.R's Gowtham School
2016 – 2019 | Eluru, India
CGPA: 9.7/10

Technical Skills

- Machine Learning and Deep Learning
- Python
- SQL
- Computer Vision
- Flutter
- PyTorch
- TensorFlow
- Continuous Integration and Continuous Delivery (CI/CD)
- Git, Github, Gitlab
- Springboot
- MATLAB

Profile

Resourceful individual with practical focus and valuable project experiences. Experienced in delivering dozen projects in deversified domains. Adept at time management and leadership skills, demonstrating proficiency in industrial skills for effective project contributions.

Experience

Flutter Developer Intern, Go Eleventh Mile

November 2024 – present

Working on building and managing their iOS user application

Research Intern, Amrita Mind and Brain Center

June 2024 – present

Wokring on Research based on the Human GAIT

Freelancer

February 2024 – present

Developed websites and Flutter apps for clients, serving both business and community needs.

Mentor & Member, amFOSS

December 2021 – May 2024

Contributed to various projects and got many oppurtunites at amFOSS from networking with alumni to mentoring juniors, at this Open Source club in my college.

Hardware Security Researcher, Redantio

July 2023 – October 2023

Worked on developing and fine-tuning Deep Learning and Machine Learning models for their software.

Flutter Developer, Ostello AI

June 2023 – September 2023

Developed and managed cross-platform mobile app with Flutter, NodeJS, Firebase integration, and managed them in App Store/Play Store.

Open Source Contributor, CCExtractor

February 2023 – June 2023

I contributed to open-source Flutter projects by identifying, reporting, and resolving bugs, as well as resolving community-raised issues.

Community Outreach Programs

Student Social Responsibility, Hands on experience with Proteus Software and Simulations AVR, ARM Controllers
January 2024

A student-driven initiative dedicated to enhancing community well-being through enriching and enlightening experiences.

Awards

Global Nominee & Galactic Impact Award, NASA Space Apps Challenge
October 2023

National Finalist, Kavach 2023
August 2023

Local Impact Award, NASA Space Apps Challenge
October 2022

Publications

Detecting, Demodulating & Decoding LoRa, International IEEE Conference on Computing, Communication and Networking Technologies
24th June 2024

Workshops Conducted

Workshop on Proteus and Hardware Components, Workshop
January 2024

Hacktoberfest 2023, Workshop
September 2023 – October 2023

FOSS-FEUD, Competition
April 2023 – May 2023

Seminar

A Comprehensive Study on RF Signals and ML, Guide: Dr. Gayathri R. Prabhu

Projects

GAIT Analysis
June 2024 – present
Prediction of Human GAIT with RNNs.

LoRaSense
November 2023 – April 2024
An Image classification model using ResNet for detection of LoRa Signals from the spectrogram.

Wireless Forensics Framework
August 2023 – February 2024
Under redaction we developed this tool, where I have worked on developing a Neural Network for Detection of LoRa signals.

HydroCate
October 2023 – October 2023
An educational app using flutter to raise awareness about the impact of the water cycle on human life

Audio Steganography Tool
June 2023 – June 2023
An Audio Steganography Tool using MATLAB built as part of an academic project

Attendance Tracker
February 2023 – May 2023
Added support for MacOS for the Advanced Attendance Recording System for the members of amFOSS.

AlarmX
April 2023 – April 2023
A next-gen alarm app using flutter with curated features to guarantee user wakefulness.

My Vanam
April 2023 – April 2023
A plant tracking app using flutter that geo-tags user-taken images during planting, with a basic rewards system.

.NET Applications
June 2022 – December 2022
Led a team in building .NET Applications with intentional vulnerabilities, providing guidance throughout the project.