

EDUCATION

- Indian Institute of Information Technology Sri City

Bachelor of Technology in Computer Science and Engineering

Chittoor, India  
2020 - 2024

SKILLS

- Programming Languages:** C, C++, Python, Java, Javascript, Matlab
- Frameworks & Libraries:** NodeJS, ExpressJS, ReactJS, Django-Rest-Framework,pandas,Deeplearning, Machine Learning, TensorFlow
- Tools & Databases:** MongoDB, MySQL, PostgreSQL, Git/Github, Docker, Amazon Web Services

PROJECTS

- Indian Railway Smart Yard - Gov. Of India

Protocol Development - Python, Django, LoRa, IR

Designed a protocol simulation system that demonstrates how a train engine detects and tracks all attached wagons in sequence using short- and long-range communication with live visualization.

Live
- Discord Bot

Bot Automation - Node.js, Discord.js, JavaScript

A smart Discord bot that helps individuals and groups make decisions by analyzing user input, perform option elimination and random selection, designed for real-world public server use.

Live
- Secure Drive

Full Stack - React.js, Node.js, Express.js, MongoDB, Cloudinary

Developed secure file storage like Google Drive with expiring links and no duplicates, using cloud storage for easy scaling.

Live
- Dr-Helpy

Full Stack - React.js, MongoDB, Express.js, Docker

Dr-Helpy is a MERN-based medical store web app for buying medicines online with basic consultation and secure payments..

Live

APIs AND EXTENSIONS

- Spam Detector API:

A secure Django REST API with JWT authentication for reporting spam numbers and identifying callers with privacy protection.

Live
- Catalog Search API:

An AI-driven image similarity search API using CNN feature embeddings and FAISS for fast, accurate visual product retrieval.

private
- CookieLens Extension:

A privacy-first browser extension that analyzes website cookies and consent behavior locally without collecting user data.

Edge
- VidGrab Extension:

A browser extension that detects downloadable videos and HLS/M3U8 streams locally without collecting user data.

Edge

EXPERIENCE

- Shoptainment

Software Development Engineer

Developed a Django-based product search API leveraging deep learning models to support catalog and global search across multiple e-commerce platforms, enhancing product discovery and shopping convenience.

Designed the interface for a Shoppable Video Platform with interactive product tagging to seamlessly connect entertainment with e-commerce.

Jan 2025 - August 2025  
remote
- Jivass Technologies

Software Engineer

Implemented protocol for tracking wagons(leverage LoRa, RF, and IR ) inside and outside the yard, increasing communication efficiency and reducing delays by 20%.

Automated image analysis for industrial inspection using deep learning, reducing inspection preparation time by 30%.

July 2024 - November 2024  
Chennai
- All India Marketing Hr Solutioins

Fullstack Developer Intern

Created user-friendly web apps using React, Dart, Firebase teamed up to build full solutions and make them faster and better.

June 2023 - August 2023  
remote

RESEARCH WORK

- Comparative Analysis and Implementation of Cybersecurity Algorithms :**
- Conducted a comparative analysis of advanced cybersecurity algorithms—including RSA, AES, and ECC—to evaluate their efficiency, encryption strength, and suitability for real-time drone communication systems.

RESPONSIBILITIES

- IOTA

Core Member

Engaged as a core member within the IOTA Club, actively participating in fundamental organizational activities and initiatives.

Mentored new members by providing technical guidance and organized technical events to foster a collaborative learning environment.

2023 - 2024