

# Palani Ayyappan

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## EDUCATION

### SREE SASTHA INSTITUTE OF ENGINEERING AND TECH | BACKEND DEVELOPER & DEVOPS (INTERN)

BACHELORS OF ENGINEERING(CSE)  
Aug 2021 - Jun 2025  
Graduated with 8.0 CGPA

### SRI RAMAKRISHNA MATRIC HR SEC SCHOOL

Jun 2020 - April 2021  
Completed with 87 %

## LINKS

Github:// [palanioffcl](#)  
Leetcode:// [palanioffl](#)  
Codeforces:// [palanioffl](#)  
GeeksForGeeks:// [palanioffl](#)

## COURSEWORK

Operating Systems  
DataStructures and Algorithms  
Database Management systems  
Computer Networks  
Object oriented Programming

## SKILLS

### PROGRAMMING

Python, C, Java, JS

### DEVOPS

Jenkins, Docker, Linux, Git, NGINX

### FRAMEWORKS & LIBRARIES

Django, NodeJS

### TOOLS AND PLATFORMS

AWS, Proxmox, Postman, Grafana,  
SonarQube, Windows Server

## INTERESTS

- Exploring **Low-level** things like binary execution in memories and exploitation.
- Learning about **Web application security**
- **System Programming in C**

## EXPERIENCE

Jun 2023 - Present | Chennai, India

- Developed Backend REST APIs (Django Rest Framework) DjangoORM for database integration for inhouse CRM and other Client projects.
- Implemented secure Authentication system with JWT and custom fields for dynamic asset management.
- Developed and deployed sustainable deployment pipeline with various different fault scenarios using Jenkins CI/CD.
- Designed and implemented a High-Available and fault tolerant applications without downtime with the help of Docker and Docker swarm.
- Configured Nginx Reverse Proxy and cost-effective infrastructure with AWS Cloud Services.
- Implemented a self-hosted Server Infrastructure with Proxmox VE.
- Initiated Grafana for Logging for all the micro-services and seamlessly improved development Experience.

## PROJECTS

### RADOX | AN OPENSOURCE BACKEND WEB FRAMEWORK TECHNOLOGIES - PYTHON, WSGI

- A Micro web framework inspired from Flask. Implemented TCPServer, optimized to send HTTP responses.
- Lightweight WSGI based for your python based web applications.
- Pip ref. - <https://pypi.org/project/radox>
- Link - <https://codeeverything.github.io/radox>

### URL SHORTENER | MERN STACK TECHNOLOGIES - REACT, NODEJS, MONGODB

- A URL shortener converts long web addresses into shorter, easier-to-share links.
- Implemented UI using ReactJS and NestJS for backend.
- Utilised Mongoose ORM for database interactions with MongoDB.
- Link - <https://urlfe.vercel.app>

## ACHIEVEMENTS

- 4 \* Python Coder in HackerRank
- Contributed 2/4 commits in **Hacktoberfest 2022**
- Built a LMS Web App **within 3 hrs and sold for 7\$**  
<https://lms-chi-roan.vercel.app>
- Helped my team to score top 100 place in CTF competitions.  
<https://ctftime.org/user/118920>
- Solved 500+ Problems across all platforms.