

# RAGUL R

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## ACHIEVEMENTS

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### First Prize in Safetython

2023

- Conducted by Uyir Foundation in collaboration with Tamil Nadu Police
- Proposed the idea of an AI powered Dynamic traffic regulatory system
- Honoured by Commissioner of Police, Coimbatore with cash prize of INR 12,000

### First Prize in Ideathon

2023

- Conducted by KPR college of Technology, Coimbatore
- Proposed a black box based solution for the routing of emergency vehicle

### Certificate for the development of DLAPP

2022

- Honoured by Dean of AURCC for developing DLAPP for Android and Web

## PROJECTS

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### API Server ( <https://api.aurcc.in> )

- An API server for all the services running in our university domain.
- **Tech Stack:** Python, FastAPI, Keycloak, Python, PostgreSQL and SQLAlchemy

### DAMS ( <https://dams.aurcc.in> )

- A web app for student attendance management system.
- **Tech Stack:** Keycloak, podman and Vue.js

### AUSMART ( <https://ausmart.aurcc.in> )

- A web app for college students to give suggestions to the Dean of college securely.
- **Tech Stack:** Keycloak, podman, Vue.js and Telegram Bot API

### INFORMATION KIOSK

- A web app to show important news and announcements to college students.
- **Tech Stack:** Python, GTK, Webkit, HTML and Next Cloud

### DLAPP ( <https://dlapp.aurcc.in> )

- An Android and a web app to request permission from HOD & Dean of AURCC.
- **Tech Stack:** Kotlin, Nuxt, tailwind css, daisyUI and Firebase Realtime Database and FCM

## CONFERENCES

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### [State of Stateless - A Talk about Immutability and Reproducibility in Debian](#)

DebConf 2023

Presented a talk on DebConf23 about Immutability, Reproducibility in Debian.

## EXPERIENCE

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### DevOps

2021 - 2023

Anna University Regional Campus, Coimbatore

- Maintaining one of the college servers for the DGATE cell
- Developed and deployed above mentioned services in the backend server

### Secretary of Tamil Mandram

Semester 6, 7

Anna University Regional Campus, Coimbatore

- Conducted various competetions for Independence day 2023
- Organized an event called தமிழ் 4.0 to create awareness about FOSS 2023

## EDUCATION

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### Bachelor of Engineering

Expected 2024

Anna University Regional Campus, Coimbatore

CGPA - 8.67

### High School

2020

SRM Muthamizhl Higher Secondary School, Salem

CGPA - 9.03

### Secondary School

2018

Bharathi Vidhya Mandir Matriculation School, Salem

CGPA - 9.76

## SKILLS

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### Programming languages

C, C++, Python, Java, Kotlin, Rust, Javascript, PHP and Lua

### Tools

Git, docker, podman, keycloak, meson and make

### Frameworks

FastAPI, NuxtJs, VueJs and Flask

### Databases

PostgreSQL, MySQL, MongoDB, Redis and Firebase

### Soft skills

Communication skills, Leadership quality(coordinator of Tamil Mandram), Creativity and Critical thinking