

# Roshini Karnan

roshini2335@gmail.com | 9962635937

## EDUCATION

### NIT, TRICHY

BTECH IN ELECTRONICS AND COMMUNICATION

Expected May 2021| Trichy, India

CGPA: 7.67

### D.A.V GIRLS

Grad. May 2017| Chennai, India

CLASS 12 PERCENTAGE: 95.2

### JAWAHAR VIDYALAYA

Grad. May 2015| Chennai, India

CLASS 10 GPA: 10

## LINKS

Github:// [sleephackers](#)

LinkedIn:// [roshinikarnan](#)

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms

Introduction to Probability Theory

Digital Systems and Design

Microcontroller and Microprocessor

Digital Signal Processing

## SKILLS

### PROGRAMMING

LANGUAGES:

C++ • C

WEB DEVELOPMENT:

GOLANG • ReactJS • ReactNative •

HTML • CSS • JavaScript

DATABASES:

GORM • MongoDB • MySQL

TOOLS:

ANDROID • GIT • Emu8086

FAMILIAR:

Java • Ethical Hacking and Web Security

## SOCIETIES

### DELTA FORCE

The Official Programming Club of NIT Trichy.

### WEB OPERATIONS, PRAGYAN

Dec 2018 - Mar 2019

### WEB OPERATIONS, FESTEEMER

Jul 2018 - October 2018

### WORKSHOPS AND INFORMALS,

### FESTEEMER

## EXPERIENCE

### CHARGE IT | WINTER INTERNSHIP

Dec 2018 – Jan 2019 | Chennai, India

- Worked solely from scratch on the Android app which gets the current location of an user and displays all the charging stations nearby on Map.
- It has login/signup pages, chat options, comments and ratings on various charging stations which are retrieved from local API.
- The app is up on Google Play Store

### PRAGYAN PREMIER LEAGUE | NATIONAL LEVEL ONLINE CRICKET SIMULATING TOURNAMENT

Nov 2018 – Mar 2019 | Trichy, India

- Worked on creating the Website (Frontend and Backend) and App for the tournament that is to be conducted during Pragyan (ISO 9001 AND 20121 CERTIFIED).
- The code base is primarily in GOLANG, ReactJS and React Native
- The game tests one's managerial skills and will be battling it out against other teams (More than 2000) in the fantastically simulated tournament
- The simulation is done using Algorithms and Probability theory
- All code was reviewed, perfected, and pushed to production.

### FESTEEMER APP | THE OFFICIAL APP FOR THE ANNUAL COLLEGE FEST

Oct 2018 – Sep 2018 | Trichy, India

- Worked on creating the App for the fest
- The app has various activities from login/signup, Leaderboard, Chat screen, Maps etc.
- The app has 5000+ downloads on Play Store
- All code was reviewed, perfected, and pushed to production

## PROJECTS

### AUTOMATED CAR ACCIDENT ALERTER AND HELP BOT

It consists of the Car Bot and User App and primarily uses OpenCV.

The app alerts the users connected to the particular car (through login) in case of accident, with the location, time, severity and the last image that was captured before the accident.

An app that replicates the black box in Automated Cars.

### BUS TRACKER APP | ANDROID APP

An App that tracks the location of college buses. It consists of 2 apps - Client and Driver App. Location gets sent regularly from the driver app which gets stored in a Web API and is retrieved and plotted on the map for the client.

## AWARDS

2019	Winner	Microsoft Codess Hackathon
2018	Runner-Up	National SSN Appdev Hackaton
2018	Runner-Up	National SSN Ethical Hacking Contest
2015	Distinction	Mathematics, International Assessments for Indian Schools
2015	Merit	CS Merit Holder in School for 8 consecutive Years