

Roshini Karnan

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EDUCATION

NIT, TRICHY

BTECH IN ELECTRONICS AND COMMUNICATION

MINOR IN COMPUTER SCIENCE

Expected May 2021| Trichy, India

CGPA: 7.63

Minor Grade: S (GPA: 10)

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

Cloud Computing

Database Management System

Introduction to Probability Theory

Digital Systems and Design

SKILLS

PROGRAMMING

LANGUAGES:

C++ • C

WEB DEVELOPMENT:

GOLANG • ReactJS • ReactNative •

HTML • CSS • JavaScript

DATABASES:

GORM • MongoDB • MySQL

•CosmosDb

TOOLS:

ANDROID • GIT • Emu8086 • Proteus

VSM • Azure Services • Visual Studio

FAMILIAR:

Java • Ethical Hacking and Web Security

SOCIETIES

Dec 2018 - Mar 2019

WEB OPERATIONS, PRAGYAN

Jul 2018 - October 2018

WEB OPERATIONS, FESTEMBER

EXPERIENCE

MICROSOFT |SUMMER INTERNSHIP 2019

May 2019 – June 2019 | Hyderabad, India

- Worked on Data Mining and Business Intelligence aspects of a yet-to-be released project.
- Created a Windows Application to facilitate the posting of messages directly on a Azure Service Bus listening to a particular subscription.
- Learnt about Application Insights which is used for all the services and programs that are being used in the project to know about the requests made, dependencies, results and error logs using KQL (Kusto Query Language)

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.
- 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 simulation is done using Algorithms and Probability theory
- All code was reviewed, perfected, and pushed to production.

FESTEMBER APP |THE OFFICIAL APP FOR THE ANNUAL COLLEGE FEST

Oct 2018 – Sep 2018 | Trichy, India

- Worked on creating the official App for our annual College Cultural fest
- The app has 5000+ downloads on Play Store

PROJECTS

AUTOMATED CAR ACCIDENT ALERTER AND HELP BOT

- It consists of a Car Bot and User App and primarily uses OpenCV.
- The app alerts the users connected to the particular car (through login) in case of an 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 6 consecutive Years