

Roshini Karnan

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EDUCATION

NIT, TRICHY

BTECH IN ELECTRONICS AND COMMUNICATION

MINOR IN COMPUTER SCIENCE
Expected May 2021| Trichy, India
CGPA: 7.75

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
Networks and Protocols
Network Security
Operating Systems
Introduction to Probability Theory

SKILLS

PROGRAMMING

LANGUAGES:

C++ • C

WEB DEVELOPMENT:

GOLANG • ReactJS • ReactNative •
HTML • CSS • JavaScript

DATABASES:

GORM • MongoDB • MySQL •
CosmosDb

TOOLS:

Android • GIT • Emu8086 • Databricks •
Azure Services • Visual Studio

FAMILIAR:

Python • Ethical Hacking Web Security

SOCIETIES

Dec 2018 - Mar 2019

WEB OPERATIONS, PRAGYAN

Jul 2018 - October 2018

WEB OPERATIONS, FESTEEMER

EXPERIENCE

MICROSOFT | SUMMER INTERNSHIP 2020

May 2020 – July 2020 | Remote

- Worked on a POC project to enable Teams based collaboration for sellers.
- Created a custom Teams app with tech stack primarily comprising of ReactJS, NodeJS and various Azure cloud services.
- The teams app consists of Tabs, Bots and custom action and search based messaging extensions.
- The app enables a seller to seamlessly work by responding to referrals, creating and updating opportunity etc, while on Teams without switching tools.

MICROSOFT | SUMMER INTERNSHIP 2019

May 2019 – July 2019 | Hyderabad, India

- Worked on Data Mining and Business Intelligence aspects of a yet-to-be released project.
- Retrieved relevant data from SMDP by curating various queries synonym to the pipeline hygiene rules.
- 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)

PRAGYAN PREMIER LEAGUE | NATIONAL LEVEL ONLINE CRICKET SIMULATING TOURNAMENT

Nov 2018 – Mar 2019 | Trichy, India

- Worked on creating the Website (Front-end and Back-end) and App for the tournament that was 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.

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 APPLICATION 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 Scho
2015	Merit	CS Merit Holder in School for 6 consecutive Years