R Saranya
VIT University

Who am I?

As a highly motivated and confident person with an extensive experience in web and mobile application development. My greatest strengths are my ability to plan and work as a team, which has been seen as a success in all my projects. I have good passion in programming, can work under pressure and is motivated by success.

Education:

VIT University, Vellore.
Currently pursuing 4th year in
Master of Technology MS Software Engineering (Integrated), 2013 - 2018
CGPA: 9.36

Narayana Junior College, Chittoor.
Board of Intermediate education, 2011 - 2013
Percentage: 96.7%

Vignana Deepthi English Medium School, Chittoor.
Board of Secondary education, 2010-2011
Percentage: 90.4%

What I want to do?

Career objective:

I am focused and determined on building a successful career in this company by providing innovative solutions to the common man that will change the way the world perceives technology. This fast paced, results-orientated environment will give me the challenge, I thrive on.

Skills and Expertise:

- Web application development: HTML, CSS, PHP
- Databases: MySQL, MongoDB
- Core Programming: C, C++, JAVA, C#
- Android application development

What I have done, so far!!

Internships:

1. **SelectDine, Vellore**
   Duration: September'15 to October'16

   Worked as a backend developer in this start-up for 2 Months. Managed the project team and designed the database schema and populated data in MLabs(MongoDB) and connected it to aws amazon server.

Projects:

1. **TECHIECARDIA- A IOT solution to predict and detect sudden cardiac arrest(Jun16 – Dec16)**

   TECHIECARDIA contains a smart app that detects sudden cardiac arrest through readings of pulse rate sensor, phone's 3D accelerometer and gyroscope sensors .Using Big data and neural networks it also predicts in advance if the patient is prone to SCA. Following the detection of SCA, the app runs a countdown for an adjustable amount of time in which the alarm can be deactivated, in case of false positive. If the alarm is not deactivated the app takes over and autonomously sends text messages and calls to your emergency contacts. This system also contains a website for the interaction of patients and doctors.

2. **Play fun (May'15 – Jun'15)**

   It is a windows desktop game designed using C# where user will get the magic number and number of moves before start of the game .The user will move the digits on the screen based on the movement the arithmetic calculations will be carried out. If he gets the magic number with in the provided moves, he will win.

3. **Shortest path in mesh network topology (Jan'15-Mar'15)**

   This is an algorithm that uses A-star heuristic search, heuristic search and Manhattan distance to find distance at every node and routes to the node with the shortest distance.

4. **Airlines ticket booking(Jan'14 – May'14)**

   This is developed in Java using applets and JFrames where user can view the flight details, timings, available seats in each class and can book a ticket and this data is reflected to MySQL database

Honours and Awards:

1. One among top 5 finalists in GE EDISON CHALLENGE 2016
2. Won unique and social impact award in VIT Chennai MAKEATHON (APR'16)
3. Merit Certificate for excellence in academics in the years of 2016 and 2017.
4. Participated in MAKEVIT, a 72 hours MAKEATHON in VIT University, Vellore (APR-2017) and many other workshops

Extracurricular Activities:

1. Worked as Core Committee Member in IEEE-PCS (2014-2015)
2. Worked as Member in IEEE-Computer Soceity of India(2015-2016)
3. Worked as Sports Manager in RIVIERA'17 cultural festival.

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References:
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