Address:
2E-604,
DOS Housing Colony,
Jalahalli,
Bangalore 560013
Email-Id:
rhariharan3096@gmail.com
Contact:
+91 8792461472

R Hariharan
B.Tech in Computer Science and Engineering

Objective

To understand the laws governing our universe and apply it to intelligent systems, in order to make our lives easier.

Education

Degree	Discipline	Institution	Score	Year of Graduation
B.Tech	Computer Science and Engineering (3rd Year)	PES University	9.28/10	2018
Pre-University	12th Std.	K.L.E Societys Independent PU college	92.5%	2014
All India Secondary School Examination (AISSE)	10th Std.	Kendriya Vidyalaya IISc	10/10	10/10

Projects

1. **HaveASeat - Static website for information on movies**
   Stylish website that provides information on movies (Movie Description, Review and Rating). All movies are separated based on the language. Used HTML5, CSS, JavaScript and PHP to build the website.

2. **Music Player**
   JAVA application that provides users with essential features of a music player such as PLAY/PAUSE/STOP, NEXT/PREVIOUS, SEEK, REPEAT and SHUFFLE ALL. Implemented using doubly linked data structure.

3. **HaveASeat - Dynamic website for movie information and booking a ticket**
   Dynamic website that provides users to view information on movies and can book movies in cinemas. The Database used was a MySQL relational database. The user can filter movies based on language, genre or actors. While booking only those cinemas are shown where the movie is currently running.

4. **Line following and obstacle avoiding robot**
   The robot follows a black line, if an obstacle is found the robot finds the nearest space/gap to avoid it and then moves forward until it finds a new black line to follow. Robot was built on Arduino platform.

Training & Internship

- **Microsoft Mobile Innovation Lab - Summer Internship 2015**
  Location: PES University, Bangalore
  Role: Intern
  Duration: June - July 2015
  Project Title: Robot Navigation and Obstacle Avoidance
  Abstract: Developed an algorithm to navigate a robot to its target in an unmapped area amidst obstacles. Implemented the algorithm, on a robotic platform provided by NEX Robotics called FIREBIRD V. The robot was mounted by a Sharp IR sensor to detect obstacles, these sensor values are analysed by the algorithm to find the most efficient path for the robot to reach its target.

- **Microsoft Mobile Innovation Lab - Summer Internship 2016**
  Location: PES University, Bangalore
  Role: Mentor
  Duration: June - July 2016
  Project Title: Voice Controlled Robot for Travelling Salesman Problem (TSP) Applications
  Abstract: Developed a voice controlled robot on the robotics platform provided by NEX Robotics called FIREBIRD V which can be used as delivery robot. The robot works on an algorithm devised by us to solve the travelling salesman problem. The algorithm requires only half the calculations required by brute force method.

- **Attended IoT BootCamp Organised by Department of Computer Science and Engineering, PES Institute of Technology**

- **Attended Data Analytics Workshop Organised by PES Institute of Technology**

Technical Skills

1. **Programming Languages**
   C, JAVA, Python, JavaScript, HTML, PHP, MySQL

2. **Operating Systems**
   Windows XP/7/10, UBUNTU 14.04/16.04

3. **Computer Applications**
   Microsoft Word, Microsoft Excel, XAMPP, Atmel Studio, Adobe Photoshop, Wireshark, Tex Studio

Soft Skills

- **Student Head** of Microsoft Innovation Lab, PES University

- **Organised** multiple events like:
  INCITO - IDEATHON conducted by Microsoft Innovation lab
  Role: Member of Logistics and Campaigning Team

#CODE - 24hr HACKATHON conducted by Microsoft Innovation Lab
Role: Member of Logistics, Campaigning and Design Team

- **Languages Known**:
Tamil, Kannada, Hindi & English

Extra-Curricular Activities

Personal Details

References

Declaration

Date