

Priya Lagdhir

BE Electronics and Computer Engineering

A technology enthusiast looking for a challenging role in a reputable organization to utilize my technical, database and management skills for the growth of the organization as well as to enhance my knowledge about new and emerging trends in IT sector.



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SKILLS

Java

C / C++

Android Studio

Data Structures

PHP

VC++ / C++ MFC

Python

MySQL

Linux

Docker

LANGUAGES

English

Hindi

Gujarati

INTERESTS

Sketching

Baking

Badminton

WORK EXPERIENCE

Software Engineer Gridbots Technologies

07/2019 - 07/2020,

Roles & Responsibilities

- Windows based applications using MFC library.
- Using CDC class in MFC for localization of robot in real time for different AGVs.
- Apks in Android Studio to communicate with robots through serial, bluetooth and wifi communication.
- Designing of apk for employees to enter worklog and check assigned tasks.
- Application of different algorithms like shortest path algorithm, pure pursuit algorithm to send commands to robot.
- Conceptualized and developed windows applications for controlling robots and AGVs and save data to files.

PROJECTS

MFC Applications in Microsoft Visual C++

- Applications for AGV control and navigation, mapping of AGVs, communication and locating positions in real time through serial port communication.
- Applying Kalman filter to calculate position coordinates using real time values and localization of AGVs.

Gridbots Boxmatic(GUI)

- Serial port communication with machine to send commands and receive data through serial port to operate machine automatically and making it easy to operate.

Gridsurv(Android apk)

- Developed Android application to control and monitor the AGV, get the positions and show its real time locations on graph, load file to give path to be followed by AGV.
- Implement Pure Pursuit Algorithm for curving and turning paths.

Gridbots GIMS Application

- Developed app in Android Studio to enter and view worklog by employees and check assigned tasks and task status. Assign and mySQL to send query to server and receive data as per user id

EDUCATION

BE Honours in Electronics and Computer Engineering MBM Engineering College, Jodhpur

2015 - 2019,

6.2 (CGPA)

XII - Senior Secondary (CBSE) Delhi Public School, Jodhpur

2014 - 2015,

87.6%