

SHASHANK JAIN T M

MT Jain hostel,

KR Road shankarpuram,

BANGALORE - 04

Email-id :1bm16ec102@bmsce.ac.in

Mobile No.: 8277569228

Shashank

**CAREER SUMMARY**

An Electronics and Communication student seeking to pursue a carrier in the field of embedded systems and design.

EDUCATION

- **Undergraduate (current)**
B.E (Electronics and Communication) | BMS College of Engineering, Bangalore | Visvesvaraya Technological University | CGPA 8.48 (5th sem) | Passing Year - 2020.
- **Pre-University**
Sarvodaya PU College, Horpet Tumkur | NCERT (PCME) | Aggregate 97.52% | Year - 2016.
- **10th SSLC**
Maruthi Vidya Kendra | State Board | Aggregate 95.52% | Year - 2014.

PROJECTS

1. **Maze solver robot with Flood fill Algorithm**
— Implemented using Atmega 328 Microcontroller, 8 IR array sensor for line detection. It has two parts dryrun and path tracing:
 - (a) In dry it covers all the nodes and get the status of each and every node.
 - (b) After dryrun the algorithm is applied and path tracing starts.
2. **Gesture Controlled Robot**
— It has two parts transmitter(hand) and reciever(Bot):
 - (a) A sensor accelrometer is used in transmitter and based on X and Y value from the sensor direction command is transmitted to bot part.
 - (b) The data received from the transmitter is passed to the controller and command is written to the accu-ators(motors).
3. **Obstacle avoider bot**
A simple bot that can sense the obstacle in its way and change the direction :
4. **MINI projects**
 1. Smart Parking system using Logic gates in multisim software and its hardware is implemtened.
 2. Laser locking intruder system for border security.
 3. Portable Function Generator using MULTISIM simulation software.