

SHASHANK JAIN T M

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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.

INTERNSHIP experience

- **TATA POWER SED Private limited**
—Worked on Electromagnetic Interference and Compatability (EMI and EMC).