

DARSHAN K S

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🌐 LinkedIn | 🐙 GitHub | 🌐 Website

Pursuing an undergraduate degree in Computer Science and Engineering. I have a passion for Robotics and incorporating automation into daily life.

EDUCATION

Manipal Institute of Technology

2020 – Present

B.Tech in Computer Science and Engineering

Manipal, India

Cumulative GPA: 8.60 / 10.00

Coursework: Object Oriented Programming, Database Systems, Operating Systems, Computer Networks

EXPERIENCE

Project MANAS

May 2021 – Present

Sensing and Automation division member

Manipal, India

- Part of the main mission team and developed the imaging pipeline for the AUVSI SUAS 2022 competition and placed 18th out of 71 teams. ([Rankings](#) / [Paper](#) / [Video](#))
- Developed a web app for Manual image classification with localized image crop-frame geotagging for a continuous image stream from the UAV, and also interfaced the camera for automated transfer.
- Set up a socket-based wireless communication network for UAV to ground station image transfer.
- Interfaced 3-D and 2-D LIDARs and Inertial Sensors into the software stack of our self-driving car, Eve.

Formi

Jan 2022 – Apr 2022

Frontend Developer

Manipal, India

- Developed a website for an event ticketing platform and an affiliate network, implemented with the MERN stack.

PROJECTS

Wall follower robot | [ROS](#) and [Gazebo](#)

2021

Simulated a left wall following robot that uses a feedback-based control system and implements skid-steer drive in ROS and Gazebo. ([View](#))

Grocery Bud | [ReactJS](#)

2021

A web based list making application implemented in ReactJS, which uses cookies to retain list data and load persistent list upon relaunching the app. ([View](#))

SKILLS

Industry Knowledge: Robotics, IoT, Frontend Development, UX design

Programming Languages: C/C++, JavaScript, Python, Java, PHP, SQL

Other Technologies: Robot Operating System(ROS), ReactJS, Git, Shell Scripting

Certifications: Google UX Design Specialization ([credentials](#))

EXTRACURRICULAR

- Writer at [Manipal the Talk Network](#), an independent media organisation run entirely by students in Manipal.
- Screenwriter at [Naqaab Filmmaking](#), the official filmmaking club of Manipal.
- Organizer at [Revels 2022](#), the annual national-level Sports and Cultural festival of Manipal Institute of Technology. ([certificate](#))