

Anish Tipnis

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PROJECTS

Smart Ambulance Monitoring System

2020

Course Project

- Designed and Implemented a system that would send data on critical health indicators from an ambulance to a hospital's Dashboard. This is intended to help the doctors prepare before a patient arrives.
- Used an Arduino to take input from health sensors and GPS, and send the data using a GSM Module and the MQTT messaging protocol.
- Used the Node Red IOT platform to integrate the entire hardware system.

Crawling and Analysis of Internship & Job Portal

2021

Course Project

- Worked in a team to create a data mining project to provide an insight over the current trends in the software industry.
- Built our own dataset by scraping Internshala and Monster India websites and performed extensive data exploration on the same.

Video Surveillance

2020 – 2021

Intern, AXS Solutions & Consulting Pvt. Ltd.

Technical Team

- Designed and implemented a circuitry needed to capture a video from ESP device and send it over to front-end device.
- Programmed the on-board device which sends the Video Data with minimal latency over Wi-Fi.

Autonomous Maze Solving Robot

2020

Technical team of students, IIT Bombay

Was a part of a team of undergraduate students that built an autonomous robot that would explore and then solve a maze by finding the shortest path from the origin to the destination.

- Designed and Implemented the mechanical chassis of the robot and the electronic circuitry.
- Programmed the on-board Arduino to first explore the maze and then designed an algorithm to use the collected data to find the shortest path to solve the maze.

Covidfaq.net

2020

Backend Development

- As a backend software developer, built a FAQ Portal that replies to a user's queries regarding the virus and spread of Covid-19.

Website to Display Data for Covid-19

2020

Independent Project

- Designed and implemented, using R, a website to display the data regarding the Covid-19 virus and its spread in a user-friendly manner.

SKILLS

Programming (C, C++, R, Python, Tensorflow, OpenCV, Selenium, Matplotlib)

Implementation (IoT, Machine Learning, Image Processing, Android App development)

Software and OS (Windows, Linux, Github)

EDUCATION

M.Sc, Computer Science

2020 – present

Ramnarin Ruia College

Postgraduate Second Year

B.Sc, Information Technology

2017 – 2020

Vidyalankar School Of Information Technology

(CGPI : 8.6/10)

AWARDS AND PARTICIPATIONS

Hackdown

2020

IEEE-VSIT

- Bagged the runner-up achievement award in HackDown, a codathon organised by IEEE-VSIT.

Angel Hack Hackathon

2019

AngelHack

- Participated in Angel Hack Hackathon.

IIT-Bombay

2014

Techfest

- Stood First in IIT-B Techfest Scholastic competition.

FN Ward Level Science Exhibition

2012

Brihanmumbai Secondary and Higher Secondary Schools

- Stood First in F/N ward Level Science Exhibition Competition.