Anish Tipnis

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PROFILE

An internship or full-time opportunity that will allow me to utilize my problem solving skills and attention to detail to further develop my abilities in the field of computer science.

EDUCATION

M.Sc, Computer Science   2020 – present
Ramnarain Ruia College
Postgraduate Second Year

B.Sc in Information Technology   2017 – 2020
Vidyalankar School Of Information Technology
(CGPI : 8.6/10)

PROJECTS

Autonomous Maze Solving Robot   2020
Technical team of students
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.
- Designed and implemented the electronic circuitry needed to drive the onboard motors and transfer the Infrared sensor data to the processing system.
- 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.
- Participated in the IIT-Bombay Techfest's Mazerunner competition in 2015, 2018 and 2020.

Covidfaq.net 🔗   2020
Backend Development
- Worked with a team on building the API : CovidAPI.info to empower other developers to get access to statistics related to the Covid-19 pandemic.
- As a backend software developer, built a FAQ Portal that replies to a user's queries regarding the virus and spread of Covid-19.

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 (Global System for Mobile) 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.

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

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.

Badminton 2015
Govt. Of Maharashtra
- Stood Second in Maharashtra Govt. Under 17 Badminton Tournament.

IIT-B Techfest 2014
IIT Bombay
- 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.