Vaibhav Raheja

✉ vaibhavraheja32@gmail.com   📞 +91 9820712740   📍 Mumbai, India   in linkedin.com/vaibhav-raheja-05b85315b/

M medium.com/@vaibhavraheja32   ⭘ github.com/Vaibhavr26

🎓 Education

2020 – Present Mumbai	**B. Tech (Computer Science)** *Mukesh Patel School of Technology Management & Engineering* GPA - 3.63/4
2017 – 2020 Mumbai	**Diploma (Computer Science)** *Mukesh Patel School of Technology Management & Engineering*
2017 Mumbai	**ICSE** *Jasudben M.L. school* Score - 84%

💼 Professional Experience

2021 – Present
New Delhi

Research Intern
AIIMS (All India Institute of Medical Sciences) Hospital
- Research Project to implement Robotic Intubation using a robotic arm and developing control systems for the robot
- Project funded by ICMR (Indian Council of Medical Research)

Jan 2020 – May 2020
Mumbai

Intern
Granuler
Project CRM(Customer Relation Management Implementation)
- Implemented a CRM system for Granuler CIO Consulting.
- Gathered requirements from client and finalized on HubSpot CRM. Implemented and trained the client for the same

Project RPA (Robotic Process Automation)
- Using UiPath

Jul 2018 – Jul 2018
Mumbai

QA Intern
Intelligence Node
- Learnt basics of web applications, understood beta testing and implemented tests on multiple web applications

⌨ Projects

2021 – 2022

Chronic Disease Detection System using Machine Learning
B.Tech Final Year Project
Developed an expert system used to detect/predict various chronic diseases by collecting various health details of a patient using ML models to provide a helping hand to doctors. Group project
Implemented for:
- COVID-19
- Pneumonia
- Heart Disease
- Chronic Kidney Disease
- Diabetes

2020

Home Automation
Developed a complete system to control most electronics from a mobile phone or using voice commands on google assistant. Achieved this using ESP-8266 microcontroller. Some electronics include:
- Lights
- Fan
- Air conditioner
- RGB-controlled lights.

2019 – 2020

Vector Launcher
Technology: Android Studio (Java)
Made an Android Phone Home Screen Launcher with different customizations, group project

2020

PDF Expert
Technology: Android Studio (Java)
This project converts pictures or books to pdf, can convert image to text and get a pdf by selecting the area by your finger, group project

2018	**Snake Game**
	Technology: C++
	Solo project to make a Snake Game using GUI

⚒ Other Experiences

2020 – 2022 Detroit MI	**Intelligent Ground Vehicle Competition**
	Vice-Captain
	Achieved 3rd place at an annual international competition hosted at Oakland University, Michigan in which multidisciplinary teams compete to create an autonomous vehicle according to a set of rules in order to compete. Developed a fully functioning autonomous vehicle with object detection, path planning & traversal.

2020 – 2021 Mumbai	**Rotaract Club of Bombay Airport**
	Board of Director of Club Service
	Initiated all Club Service activities and supervised and coordinated the work of the committee appointed for particular aspects of Club Service and ensured the smooth and effective running of the Club.

| 2020 – 2021 Mumbai | **e-Yantra Robotics Competition (eYRC)** |
| | A Competition held by IIT Bombay. Our task was to make a drone for delivery of parcels |

| 2019 – 2020 Mumbai | **Rotaract Club of Bombay Airport** |
| | *Member* |

2019 – 2020 Mumbai	**The Editorial Project**
	Head of Logistics
	Organised a concert by The Local Train at JRM Grounds

2012 – 2013 Mumbai	**Roller Hockey**
	Team Captain
	Achieved 3rd place in a National Level Roller Hockey Tournament in Haryana.

✐ Articles

| Aug 2020 | **Lane Detection using Hough Transform and Histogram** |
| | Wrote an article on lane detection using computer vision using Hough Transform. This article has approximate 400 reads. |

⌕ Certificates

- Python Programming Workshop 'PyLearn'

♨ Skills

Python	● ● ● ● ○	C++	● ● ● ○ ○
ROS	● ● ● ○ ○	Arduino	● ● ● ○ ○
MS Office	● ● ● ● ○	Fusion 360	● ● ● ○ ○
Machine Learning	● ● ○ ○ ○		

♂ Interests

Formula 1 • Tennis