JAY DOMADIA

+91-8898170404 | [jay.domadia@somaiya.edu](mailto:jay.domadia@somaiya.edu%20) | <https://www.linkedin.com/in/jay-domadia-6388011b5/> | <https://github.com/JayDomadia1> |

# EDUCATION

**K.J. Somaiya College of Engineering, Mumbai University, India June 2022**

Bachelor of Technology in Electronics and Telecommunication.

Relevant Courses: Blockchain, Machine Learning, and Business Analytics

# PROJECTS



# [TinDog](https://jaydomadia1.github.io/TinDog/) | *HTML, CSS, BootStrap*

* Designed and Developed a website that represents an imitation of Tinder, but for dogs using HTML, CSS and Bootstrap.

# [Personal Web Page](https://jaydomadia1.github.io/PersonalWebPage/) | *HTML, CSS, BootStrap*

* A web page that summarizes my skillset and experience throughout the years
* Developed using HTML, CSS and BootStrap

# Super Hero API | *HTML, CSS, JavaScript*

* Developed using HTML, CSS and JavaScript.This included an API call from SuperHero API. The basic function of this webpage is to search a SuperHero of user choice and display its character attributes.

# Fight Game | *HTML, CSS, JavaScript*

* Developed using HTML, CSS and JavaScript.This project includes DOM manipulation that helps in 2 users playing a fight game using the computer keyboard.

**Uber Data Analytics|** *Python*

* Created a machine learning model by using Random Forest Algorithm to predict a price for a cab ride that would be fair for both the customer and driver considering factors such as weather, waiting time to predict a fair price for the cab ride
* Technologies used: Recurrent Neural Network, Machine Learning, and Jupyter notebook (to implement the code)

# Bluetooth Controlled Robot| *C++*

* Designed a robotic vehicle using Atmega328p microcontroller, TT Gear Motor, HC-05 Bluetooth Module, Li-ion batteries and Motor Driver Shield.
* Developed the logic and a running code behind the working of the robot car on ArduinoIDE.

# PROFESSIONAL EXPERIENCE

**Orion Racing India, Mumbai, India August 2018 -July 2020**

*Driver Interface Jr.*

Orion Racing India is a formula student team that represents K.J. Somaiya College of Engineering at national level and represents India on an international level at competitions like FS-Germany and FS-Austria.

* Developed the logic behind the running of a SLM (Sequential Light Module) for the dashboard on ArduinoIDE.
* Research and implementation of I2C, SPI and CAN protocols in order for running of the system.
* Developed and designed the OLED display pages that is to be mounted on the steering wheel.
* Designed a master PCB, on Eagle, that helps send signals from the sensors to the Atmega328p and the OLED display.
* Took a part in Formula Bharat 2020 and were awarded the best in the EV class amongst teams from all over the country.

# Vision Pharmaceuticals, Mumbai, India June 2020-August 2020

*Marketing intern*

* Researched and gathered information about different manufacturers, distributors and consumers of Active Pharmaceutical Ingredients around the country.
* Worked on the ways to improve clientele for the company.
* Visited a pharmaceutical trading fair to gain deeper understanding of how the business model runs.
* Marketing and sales intern.

# TECHNICAL SKILLS



* Programming languages: Python, C++, JavaScript, HTML and CSS.
* Frameworks: JQuery, React, Bootstrap.
* Microprocessors and Microcontrollers: 8086- MP,8051-MC, Atmega328p, Atmega328.
* Developer Tools: AutoCAD, MATLAB, ArduinoIDE, Nextion Editor, Eagle, Atom, Visual Studio Code.