

SUMMARY

A self-motivated, hardworking 3rd Year B. Tech student in Electronics and Communications Engineering with knowledge in embedded and control systems, with skills in MATLAB, Multisim, Arduino, Fusion360 CAD and experience in electronic troubleshooting activities. Seeking an internship from summer 2019.

EDUCATION

Program	Institution	CGPA	Year
B. Tech, Electronics & Communications Engineering	St. Martins Engineering College	75%	2017 – 2021
XII (Senior Secondary)	Sadhu Vaswani International School, CBSE	71%	2015 - 2017
X (Secondary)	VJPS, CBSE	9.8	2015

PROJECTS

Tejas – Medium Powered Model Rocket (In Progress)

Objective: To design a miniaturized Thrust Vector Controlled autonomous launch vehicle to guide into desired trajectory.

- Designed a Thrust Vector Controlled Mount for rocket motor using Fusion 360 (CAD)
- Designing the flight controller
- Designing a PID Controller
- Simulated flight trajectory using MATLAB
- Conducted rudimentary tests for barometric sensor

Personal Assistant

Objective: To design a personal assistant for everyday devices.

- Designed activity diagram for assistant
- Deploy Google Assistant SDK in Raspberry Pi 3B+
- Tested the latency and for errors in voice detection
- Embedded using Raspberry Pi and Arduino

TECHNICAL SKILLS

- Python
- C
- C++
- MATLAB
- NI Multisim
- Arduino
- I2C, SPI
- Autodesk Fusion 360 (CAD)
- PCB designing

TRAINING & CERTIFICATIONS

- Competed in a 2 – Day NASA's International Space Apps Challenge
- Attended a 2 – Day BITS ATMOS Machine Learning Workshop
- Attended a 1 – Day Machine Learning Workshop - TAM
- Done a 4 Week Python Data Science Course from Udemy

ADDITIONAL DETAILS

- Awarded First in National Level Project Expo – TECHNOVATION – 2018
- Awarded “Best Student” in 12th Class.
- Hobbies include astronomy, reading scifi novels and basketball.